


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>Accredited to ISO 15189:2012</p>	East Suffolk & North Essex Foundation Trust (ESNEFT) Issue No: 006 Issue date: 23 December 2022	
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Testing performed at the above address only		

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS Blood (unless otherwise stated) Serum, Li Heparin or EDTA plasma Urine– No Preservative. Blood Serum, Li Heparin or EDTA plasma Serum or Li Heparin Serum, Li Heparin or EDTA plasma Serum, Li Heparin or EDTA plasma Heparinised plasma from venous, capillary or arterial source, into 1.3ml Lithium heparin tube.	<u>General Biochemistry</u> Biochemical examination activities for the purposes of clinical diagnosis. Quantitation of: Albumin Albumin/microalbumin Alcohol (Ethanol) Alkaline Phosphatase Alpha 1 Antitrypsin ALT Ammonia	In house documented procedures based on equipment manuals and standard methods as specified: SOP LP0065 using Roche Cobas 8000 analyser (ISE, e602 and c702) Roche c702 BIO-IPS-ADS-40 (Blood) Using bromocresol green BIO-IPS-ADS-28 using Polyclonal anti-human albumin antibodies (sheep) BIO-IPS-ADS-96 using alcohol dehydrogenase BIO-IPS-ADS-92 using p-nitrophenyl phosphate BIO-IPS-ADS-4 using - Anti-human α 1-antitrypsin antibody (rabbit): BIO-IPS-ADS-37 using L-alanine and 2-oxoglutarate BIO-IPS-ADS-98 using - + α -ketoglutarate + NADH



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Blood (unless otherwise stated)		SOP LP0065 using Roche Cobas 8000 analyser (ISE, e602 and c702) Roche c702
Blood- Serum or Li Heparin	Amylase	BIO-IPS-ADS-36 (Blood) Using 4,6-ethylidene-(G7) p-nitrophenyl-(G1)- α ,D-maltoheptaoside (ethylidene-G7PNP)
Blood- Serum or Li Heparin	Angiotensin Converting enzyme	BIO-IPS-ADS-26 using synthetic substrate (FAPGG)
Serum, Li Heparin or EDTA plasma	Gentamycin	BIO-IPS-ADS-11 using KIMS
Serum, or EDTA plasma	Vancomycin	ADO230 using - Vancomycin labelled with the enzyme glucose-6-phosphate dehydrogenase (G6PDH)
Serum, Li Heparin or EDTA plasma	AST	BIO-IPS-ADS-43 using - L-aspartate and 2-oxoglutarate
Serum or Li Heparin	Bicarbonate	BIO-IPS-ADS-78 using - phosphoenolpyruvate (PEP)
Serum or Li Heparin	Bile acids	BIO-IPS-ADS-47 using - Thio - Nicotinamide Adenine Dinucleotide
Serum or Li Heparin	Bilirubin (Conjugated)	BIO-IPS-ADS-5 using - diazotized sulfanilic acid
Serum or Li Heparin	Bilirubin (Total)	BIO-IPS-ADS-8 using diazonium ion
Serum or Li Heparin	Caeruloplasmin	ADO200 using - Anti-ceruloplasmin T antiserum (rabbit)



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Blood (unless otherwise stated)		SOP LP0065 using Roche Cobas 8000 analyser (ISE, e602 and c702) Roche c702
Blood- Serum or Li Heparin Urine- HCl preservative.	Calcium	BIO-IPS-ADS-89 (Blood) BIO-IPS-ADS-27 (Urine) Using - 5-nitro-5'-methyl-BAPTA (NM-BAPTA)
Serum, Li Heparin or EDTA plasma	Carbamazepine	BIO-IPS-ADS-70 using - Anti-carbamazepine antibody (mouse monoclonal)
Serum, Li Heparin or EDTA plasma	Cholesterol	BIO-IPS-ADS-38 using - phenol and 4-aminophenazone Non-calculated test
Serum, Li Heparin or EDTA plasma	CK (Creatine Kinase)	BIO-IPS-ADS-35 using ADP
Serum, Li Heparin or EDTA plasma	Complement C3	BIO-IPS-ADS-6 using Anti-human C3 antibody (goat):
Serum, Li Heparin or EDTA plasma	Complement C4	BIO-IPS-ADS-9 using Anti-human C4 antibody (goat)
Serum, Li Heparin or EDTA plasma	C-Reactive Protein	BIO-IPS-ADS-83 using - Latex particles coated with anti-CRP (mouse)
Serum, Li Heparin or EDTA plasma	Creatinine	BIO-IPS-ADS-94 (Blood) ADO250 (Urine) Using 4-aminophenazone and HTIB ^a
CSF Fluoride EDTA or serum (<2 hours old)	Glucose	BIO-IPS-ADS-45 using Glucose-6-phosphate dehydrogenase oxidizes
CSF Fluoride EDTA	Protein	BIO-IPS-ADS-46 using copper in alkaline solution



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Blood (unless otherwise stated)		SOP LP0065 using Roche Cobas 8000 analyser (ISE, e602 and c702)
		Roche c702
Serum, Li Heparin or EDTA plasma	Gamma Glutamyl Transferase	BIO-IPS-ADS-99 using - γ -glutamyl-3-carboxy-4-nitroanilide + glycylglycine
Blood-Fluoride EDTA	Glucose	BIO-IPS-ADS-12 (Blood) ADO261 (Pleura/ascitic fluid & dialysis fluid) Using Glucose-6-phosphate dehydrogenase oxidizes
Serum, Li Heparin or EDTA plasma	HDL	ADO209 using PEG-cholesterol esterase
Serum, Li Heparin or EDTA plasma	IgA	BIO-IPS-ADS-7 using Anti-human IgA antibody (goat)
Serum, Li Heparin or EDTA plasma	IgG	ADO211 using Anti-human IgG antibody (goat)
Serum, Li Heparin or EDTA plasma	IgM	ADO212 using Anti-human IgM antibody (goat)
Serum, Li Heparin	Iron	ADO213 using - - Transferrin-Fe-complex
Fluoride EDTA	Lactate	BIO-IPS-ADS-15 using enzyme lactate oxidase (LOD) & Peroxidase (POD)
Serum or Li Heparin	LD (Lactate Dehydrogenase)	ADO215 (Blood) ADO277 (Pleura/Ascitic fluid & Dialysis fluid) Using pyruvate
Serum	Lithium	AD0023 using Colorimetric test
Blood- Serum or Li Heparin Urine- Hydrochloric acid Preservative	Magnesium	ADO217 (Blood) ADO270 (Urine) Using aminomethane & Xylidyl blue



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Blood (unless otherwise stated)		SOP LP0065 using Roche Cobas 8000 analyser (ISE, e602 and c702)
		Roche c702
Serum, Li Heparin or EDTA plasma	Paracetamol	ADO218 using aryl acylamidase & o-cresol + ammoniacal copper sulphate
Serum, Li Heparin	Phenytoin	BIO-IPS-ADS-74 using KIMS
Blood- Serum, Li Heparin or EDTA plasma	Phosphate	ADO220 (Blood) ADO271 (Urine) Using ammonium molybdate
Urine- Random urine or 24 hour urine collection (collected into HCl preservative)		
Urine- No preservative	24hr Protein	BIO-IPS-ADS-27 using Benzethonium chloride
Serum, Li Heparin or EDTA plasma	Rheumatoid Factor	BIO-IPS-ADS-10 using Immunoturbidimetric assay
Serum or Li Heparin	Salicylate	BIO-IPS-ADS-81 using NADH & salicylate hydroxylase



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Serum, Li Heparin or EDTA plasma	Theophylline	BIO-IPS-ADS-33 using KIMS
Blood- Serum, Li Heparin or EDTA plasma	Total Protein	BIO-IPS-ADS-105 (Blood) using copper in alkaline solution
Serum, Li Heparin	Transferrin	BIO-IPS-ADS-107 USING Anti-human transferrin antibodies (rabbit)
Serum, Li Heparin or EDTA plasma	Triglyceride	BIO-IPS-ADS-16 using - 4-aminophenazone + 4-chlorophenol 4-(p-benzoquinone-monoimino)-phenazone
Blood- Serum or Li Heparin Urine, No Preservative	Urate	BIO-IPS-ADS-30 (Urine) ADO229 (Blood) Using Uricase & 4-aminophenazone
Blood- Serum, Li Heparin or EDTA plasma Urine- No Preservative	Urea	BIO-IPS-ADS-13(Blood) ADO275 (Urine) using - urease and glutamate dehydrogenase



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Blood (unless otherwise stated)		SOP LP0065 using Roche Cobas 8000 analyser (ISE, e602 and c702)
		Roche Cobas e602
Serum, Li Heparin or EDTA plasma	AFP	AD0160 Sandwich immunoassay (Monoclonal anti-AFP antibodies (mouse))
Serum, Heparin or EDTA plasma	Anti-Sars-CoV-2	BIO-IPS-ADS-18 Sandwich immunoassay
Serum, Heparin or EDTA plasma	Anti-SARS-CoV-2 Spike	BIO-IPS-ADS-63 Sandwich immunoassay
Serum, Li Heparin or EDTA plasma	Anti-Thyroid peroxidase antibodies	ADO 161 using Competitive immunoassay (sheep antibody)
Serum, Li Heparin or EDTA plasma	B12	ADO162 Competitive immunoassay
Serum, Li Heparin or EDTA plasma	BNP	BIO-IPS-ADS-88 Sandwich immunoassay (monoclonal mouse and monoclonal sheep antibodies)
Serum, Li Heparin or EDTA plasma	CA125	ADO163 Sandwich immunoassay (mouse antibody)
Serum, Li Heparin or EDTA plasma	CA153	ADO164 Sandwich immunoassay (mouse antibody)
Serum, Li Heparin or EDTA plasma	CA19-9	BIO-IPS-ADS-84 Sandwich immunoassay (mouse antibody)
Serum, Li Heparin or EDTA plasma	CEA	BIO-IPS-ADS-72 Sandwich immunoassay (mouse antibody)
Serum, Li Heparin or EDTA plasma	Cortisol	BIO-IPS-ADS-69 Competitive immunoassay (polyclonal anti-cortisol antibody (ovine))
Serum, Li Heparin or EDTA plasma	DHEAS	AD0168 Competitive immunoassay. Monoclonal rabbit antibody



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Blood (unless otherwise stated)		SOP LP0065 using Roche Cobas 8000 analyser (ISE, e602 and c702)
		Roche Cobas e602
Serum, Li Heparin or EDTA plasma	Digoxin	BIO-IPS-ADS-75 Competitive immunoassay (monoclonal mouse antibody).
Serum, Li Heparin or EDTA plasma	Ferritin	ADO170 Sandwich Immunoassay. Monoclonal mouse antibody
Serum or Li Heparin	Folate	ADO171 Competitive immunoassay
Serum, Li Heparin or EDTA plasma	FSH	BIO-IPS-ADS-66 Sandwich Immunoassay. Mouse antibody
Serum, Li Heparin or EDTA plasma	hCG	BIO-IPS-ADS-67 Sandwich immunoassay (monoclonal anti-hCG antibody, mouse)
Serum, Heparin or EDTA Plasma	IGF1	BIO-IPS-ADS-77 Sandwich immunoassay, Monoclonal mouse antibody
Serum, Li Heparin or EDTA plasma	PEG Precipitation pre-treatment for interfering antibodies to monoclonal proteins	LP0003 25% polyethylene glycol (PEG) solution precipitation
	Macroprolactin	
Serum, Li Heparin or EDTA plasma	LH	ADO177 Sandwich Immunoassay. Monoclonal Mouse antibody.
Serum, Li Heparin or EDTA plasma	Oestradiol	BIO-IPS-ADS-71 Competitive immunoassay. Polyclonal Rabbit antibody.



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Blood (unless otherwise stated)		SOP LP0065 using Roche Cobas 8000 analyser (ISE, e602 and c702)
Blood and serum	PLGF	Roche Cobas e602 AD0303 Sandwich immunoassay Monoclonal mouse antibodies
Serum, Li Heparin or EDTA plasma	Procalcitonin	BIO-IPS-ADS-91 Sandwich Immunoassay. Monoclonal anti PCT Antibodies (Mouse)
Serum, Li Heparin or EDTA plasma	Procollagen type 1 amino-terminal propeptide (P1NP)	AD0268 Sandwich immunoassay (Monoclonal Mouse antibody)
Serum, Li Heparin or EDTA plasma	Progesterone	BIO-IPS-ADS-82 Competitive immunoassay. Monoclonal Mouse antibody.
Serum, Li Heparin or EDTA plasma	Prolactin	BIO-IPS-ADS-76 Sandwich immunoassay. Monoclonal Mouse antibody
Serum, Li Heparin or EDTA plasma	PSA (Total)	ADO181 Sandwich immunoassay. Monoclonal mouse antibody.



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EDTA plasma	PTH	BIO-IPS-ADS-39 Sandwich immunoassay. Monoclonal mouse antibody.
Blood or serum	SFLT-1	AD0303 Sandwich immunoassay Monoclonal mouse antibodies
Serum, Li-Heparin plasma	Vitamin D	BIO-IPS-ADS-1 Competitive immunoassay
Serum, Li Heparin	SHBG	BIO-IPS-ADS-32 Sandwich immunoassay. Monoclonal mouse antibody.
Serum, Li Heparin or EDTA plasma	T3 (Free)	ADO173 Competitive Immunoassay. Monoclonal Sheep antibody.
Serum, Li Heparin or EDTA plasma	T4 (Free)	BIO-IPS-ADS-68 Competitive immunoassay. Polyclonal sheep antibody.



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Blood (unless otherwise stated)		SOP LP0065 using Roche Cobas 8000 analyser (ISE, e602 and c702)
Serum, Li Heparin or EDTA plasma	Testosterone	BIO-IPS-ADS-73 Competitive immunoassay. Monoclonal sheep antibody.
Serum	Troponin T	BIO-IPS-ADS-90 Sandwich immunoassay (mouse antibody)
Serum, Li Heparin or EDTA plasma	TSH	ADO185 Sandwich immunoassay. Monoclonal mouse antibody.
Blood- Serum or Li Heparin	Chloride	BIO-IPS-ADS-93 (Blood) ADO247 (Urine) Ion-Selective Electrode (ISE)
Urine- No Preservative		
Blood, Serum or Li Heparin	Potassium	BIO-IPS-ADS-86 (Blood) AD0272 (Urine) Ion-Selective Electrode (ISE)
Urine No Preservative		



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Blood (unless otherwise stated)		SOP LP0065 using Roche Cobas 8000 analyser (ISE, e602 and c702)
Blood, Serum or Li Heparin	Sodium	BIO-IPS-ADS-97 (Blood) ADO273 (Urine) Ion-Selective Electrode (ISE)
Urine No Preservative		BIO-IPS-CP-2 using Roche Cobas e411 analyser
EDTA whole blood	Ciclosporin	BIO-IPS-ADS-34 using Competitive immunoassay. Monoclonal mouse antibody
Serum	Thyroid Receptor Antibody (TRAB)	BIO-IPS-ADS-3 using Competitive immunoassay. Monoclonal mouse antibody
	Blood gas analysis:	Radiometer ABL 825 Flex BIO-IPS-LP-8
Blood- Li Heparin whole blood Pleural fluid- Li Heparin	pH	BIO-IPS-ADS-49 (Blood) AD0155 (Pleural Fluid) Using pH electrode AD0077
Whole blood- Li Heparin	p.CO2 TCO2 (Bicarbonate) p.O2 Ionized Calcium Sodium Potassium Chloride Lactate Carboxyhaemoglobin MetHb	Diasorin Liaison XL LP0060
Faeces	Calprotectin	BIO-IPS-ADS-42 using chemiluminescent Immunoassay technology
Faeces	Elastase	BIO-IPS-ADS-029 using chemiluminescent Immunoassay technology



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Blood (Unless otherwise specified)	Protein electrophoresis assays:	SP 60 Helena SAS Protein electrophoresis Gel, CZE, and CZE Immunodisplacement
Serum	Cryoglobulin	Using SOP LP088, LP089, LP090, LP091, LP092, LP099
Serum	Paraprotein Quantitation	
Serum	Protein electrophoresis Report paraprotein if present together with quantitation of paraprotein. Report the degree of immune paresis/background when a paraprotein is present. Report polyclonal increase in gamma globulins if present and decrease in the Gamma region if present.	
Serum	Protein immunodisplacement/Immunofixation Paraprotein classification IgA kappa or lambda IgM kappa or lambda IgG kappa or lambda IgD kappa or lambda IgE kappa or lambda Free Kappa or Free Lambda	
Urine- No Preservative	Electrophoresis Paraprotein quantification Immunofixation Lambda or Kappa free light chains	
Blood- EDTA Whole Blood	HbA1c	Bio-Rad D100 BIO-IPS-LP-10
Blood- Serum	Osmolality	Advanced instruments Osmometer model Osmo 1
Urine- No Preservative		BIO-IPS-CP-1



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CSF- Plain Sterile	Xanthochromia	In house procedure and Thermo electron corporation UV 500 Spectrophotometry LPO016
Sweat- Induced Sweat Sample	Sweat Chloride	Sherwood scientific Model 926S chloride analyser LPO048
Renal calculi- Plain Sterile	Renal calculi	Brucker Alpha FITR infra-red spectrophotometer with ATR attachment LPO086



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Serum	Light Free chains	Binding site Optilite SOP LP0095
	Kappa Light Chain Assay	AD0290 using determination of soluble antigen concentration by turbidimetric
Serum	Lambda Light Chains Assay	AD0291 using determination of soluble antigen concentration by turbidimetric
Faeces	FIT Occult Blood	SOP LP0087 using HM-JACKarc Analyser BIO-IPS-ADS-109 latex agglutination using Anti-human haemoglobin sheep antibody sensitised latex suspension
EDTA Whole Blood	DCA HbA1c	BIO-IPS-LP-11 Siemens DCA Advantage. BIO-IPS-ADS-53 using Latex Immunoagglutination Inhibition methodology
Blood and Urine	Adjusted Calcium; CADJ	Calculated tests using SOP BIO-IPS-GP-4
	Albumin/ Creatinine Ratio; MAUC	
	Aldosterone/ Renin Ratio; ALDR	
	Anion Gap; AG	
	Creatinine clearance; CRC	
	Estimated Glomerular Filtration Rate (enzymatic); GFRE	
	Globulins; GLOB	
	LDL Cholesterol (calculated); LDL	



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Blood and Urine	Non-HDL cholesterol; NHDL Free Androgen Index; FAI Free Light Chain Ratio; KLR Protein/ Creatinine Ratio; TPC Total Cholesterol / HDL Cholesterol Ratio; CHHR Saturated Transferrin; SATR Unconjugated Bilirubin; BITC Urine Amylase 24h; AMYD Urine Calcium 24h; CAD Urine Chloride 24h; CLD Urine Creatinine 24h; CRD Urine Magnesium 24h; MGD Urine Paraprotein 24h; PPD Urine Phosphate 24h; PO4D Urine Potassium 24h; KD Urine Protein 24h; TPD Urine Sodium 24h; NAD Urine Urate 24h; UAD Urine Urea 24h; URD	Calculated tests using SOP BIO-IPS-GP-4
Serum	SFLT-1/PLGF Ratio	Calculated tests using SOP BIO-IPS-GP-4
END		