Schedule of Accreditation

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HSL (Analytics) LLP

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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	<u>Biochemistry examination activities for the purposes of clinical diagnosis:</u>	Manufacturer's operating instructions and documented in-house methods DOC7129 for Abbott Alinity based on Spectrophotometric, EIA, colorimetric, enzymatic methods and indirect ISE
		Detected by Colourmetric/Spectrophometry
Serum	Albumin	LP110 002
Serum	ALP	LP-110-003
Serum/Urine	Calcium	LP-110-013
Serum	Direct Bilirubin	LP-110-010
Serum	Iron	LP-110-035
Serum	Lithium	LP-110-038
Serum/Urine	Phosphorus	LP-110-043
Serum	Protein	LP-110-044
Serum	Total Bili	LP-110-009
Serum	Albumin	LP110 002
		Detected by Immunoturbidimetry
Serum	AAT	LP-110-001
Urine	Albumin	LP-110-040
Serum	Amikacin	DOC7177
Serum	B2m	LP-110-008
Serum	C3	LP-110-011
Serum	C4	LP-110-012
Serum	Crp	LP-110-018
Serum	Digoxin	LP-110-021
Serum	Gentamicin	LP-110-023
Serum	IgA	LP-110-032
Serum	IgG	LP-110-033
Serum	IgM	LP-110-034
Urine/CSF	Protein	LP-110-055
Serum	RF	LP-110-045
Serum	Transferrin	LP-110-048
Serum	Vancomycin	LP-110-060
Serum	Valproate	LP-110-058

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HUMAN BODY FLUIDS (cont'd)	Biochemistry examination activities for the purposes of clinical diagnosis: (cont'd)	Manufacturer's operating instructions and documented in-house methods DOC7129 for Abbott Alinity based on Spectrophotometric, EIA, colorimetric, enzymatic methods and indirect ISE
		Detected by Enzymatic
Serum	Acetaminophen/Paracetamol	LP-110-303
Serum	ALT	LP-110-004
Plasma	Ammonia	LP-110-005
Serum/Urine	Amylase	LP-110-006
Serum	AST	LP-110-007
Serum	Cholesterol	LP-110-015
Serum	CK	LP-110-016
Serum/Urine	Creatinine	LP-110-017
Serum	GGT	LP-110-022
Serum/CSF	Glucose	LP-110-024
Serum	HDL	LP-110-025
Serum/CSF	Lactic Acid	LP-110-036
Serum	LDH	LP-110-037
Serum/Urine	Magnesium	LP-110-039
Serum	Phenytoin	LP-130-112
Serum	Salicylate	LP-110-046
Serum	Theophylline	LP-110-047
Serum	Total Bile Acids	LP-110-059
Serum	Triglyceride	LP-110-049
Serum/Urine	Urea Nitrogen	LP-110-050
Serum/Urine	Uric Acid	LP-110-051
		Indirect ISE Ion-selective electrode
Serum/Urine/Sweat	Chloride	LP-110-028
Serum/Urine	Potassium	LP-110-028
Serum/Urine	Sodium	LP-110-028
		Detected by CMIA
Serum	AFP	LP-110-101
Serum	B12	LP-110-103
Serum	BHCG	LP-110-102
Serum	CA125	LP-110-105
Serum	CA15-3	LP-110-120
Serum	CEA	LP-110-104
Serum	Cortisol	LP-110-106
Serum	Ferritin	LP-110-107
Serum	FSH RGT	LP-110-110
Serum	Folate	LP-110-108

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HUMAN BODY FLUIDS (cont'd)	Biochemistry examination activities for the purposes of clinical diagnosis: (cont'd)	Manufacturer's operating instructions and documented in-house methods DOC7129 for Abbott Alinity based on Spectrophotometric, EIA, colorimetric, enzymatic methods and indirect ISE
		Detected by CMIA cont'd
Serum	Free T4	LP-110-109
Serum	FT3	LP-110-119
Serum	LH	LP-110-111
Serum	NT Pro BNP	LP-130-113
Serum	Progest	LP-110-112
Serum	Prolactin	LP-110-113
EDTA Plasma	Parathyroid Hormone (PTH)	DOC 7313
Serum	Testosterone	LP-110-116
Serum	Total PSA	LP-110-114
Serum	Troponin	LP-110-122
Serum	TSH	LP-110-118
Serum	Vit D	LP-110-121
Serum	Procalcitonin	DOC7157
Serum	Macroprolactin	LP-110-113a
Blood and urine	Detection of normal and abnormal Immunoglobulin bands	Protein electrophoresis and Immunotyping using the Sebia Capillarys & Hydrasys separation system. LP210 008 LP210 013
Blood	HbA1c diabetic monitoring	Using Abbott Alinity Enymatic method LP210 003
EDTA Whole Blood	HbA1c – diagnostic and monitoring	Sebia Capillarys 3 – Tera Capillary Electrophoresis LP-210 305
Blood	Anti-tissue Transglutaminase IgA screening for coeliac disease ANA screening	DS2 Launch. Enzyme Immunoassay. L210 302 LP210 301

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HUMAN BODY FLUIDS (cont'd)	Biochemistry examination activities for the purposes of clinical diagnosis: (cont'd)	Manufacturer's operating instructions and documented in-house methods
Blood and Urine	Osmolality	Advanced Instruments Osmometer OSMO1Freezing point depression LP210 112
CSF	Xanthochromia	Uvikon spectrophotometer. LP210 022
	Haematology examination activities for the purposes of clinical diagnosis:	Manufacturer's operating instructions and documented in-house methods as specified below
Plasma	Coagulation studies:	ACL TOP Analyser LP-300-067 LP-300-069
	Coag screen: • Prothrombin time/INR • APTT Fibrinogen assay	Turbidometric method LP-300-067 LP-300-063
	Inhibitor screen: APTT 50:50	Turbidometric method LP-300-067 LP-300-063
	Lupus screen ratio: • Diluted Russell's Viper Venom Test (DRVVT screen) APTT-sp Lupus sensitive	Turbidometric method LP-300-067 LP-300-063
Blood	Thrombophilia Screen: Antithrombin 3 Protein C Protein S	Chromogenic assay Immunoturbidmetric principle LP-300-055
Blood	Activated protein C resistance ratio (ACPR)	APTT based APC resistance assay LP-300--61

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HUMAN BODY FLUIDS (cont'd)	Haematology examination activities for the purposes of clinical diagnosis: (cont'd)	Manufacturer's operating instructions and documented in-house methods as specified below
	D-Dimer	Latex agglutination method LP-300-068
	Factors II / V / VII / X	Turbidometric method LP-300-072
	Factor IX / VIII / XI / XII	Turbidometric method LP-300-064
Blood	Infectious mononucleosis screen for Paul Bunnell Infectious Mononucleosis heterophile antibodies	Accusay Lateral Flow immunoassay LP 120 024 Documented in-house methods to meet the requirements of the Sickle Cell and Thalassemia (SCT) screening programme as defined in the Laboratory QC evidence requirements (relevant tests marked with *)
Blood	Haemoglobinopathy screening for halassemia and haemoglobin variants – HbS, C, D, E and β-thalassaemia trait*	Sebia Capillarys 3 Tera capillary electrophoresis LP120 004
EDTA Whole Blood	Peripheral Blood film Morphology	RAL Stainer based on modified Romanowsky Principle LP 120 022
Blood	Sickle solubility test for presence of sickle haemoglobin (HbS)	Streck Sickledex qualitative solubility LP120 038
Blood film slides	Identification of normal and abnormal morphologies including WBC differential count	Using Hematek stainer and manual microscopy LP120 004 LP120 012

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HUMAN BODY FLUIDS (cont'd)	Haematology examination activities for the purposes of clinical diagnosis: (cont'd)	Manufacturer's operating instructions and documented in-house methods as specified below
Citrated plasma	Von Willebrand assay – Ricof and Antigen assay	ACL TOP 550 Analyser using immunoturbidometric principle. LP 300 083 , LP 300 084
Citrated plasma	APTT-SFX	ACL TOP 550 Analyser using clotting based principle LP 300 071
Citrated plasma	Anti-Xa	ACL TOP 550 Analyser using chromogenic principle LP 300-073
Citrated plasma	Thrombin Test	ACL TOP 550 Analyser using chromogenic principle LP 300 058
Blood	Detection and Identification of Plasmodium species: *P.falciparum* *P.vivax* *P.ovale* *P.malariae* *P knowlesi*	• Giemsa stained thin films • Field's stain thick films Manual staining LP120 002
Blood	Screening and identification of Plasmodium species: *P.falciparum* *P.vivax* *P.ovale* *P.malariae*	Immunochromatographic assay using BinaxNOW ICT LP120-002
Blood	ESR	Vitech Starssed Compact analyser using Westergren sedimentation method. Detectetion of plasma/cells interface, LP120 006

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS (cont'd)	Haematology examination activities for the purposes of clinical diagnosis: (cont'd)	Manufacturer's operating instructions and documented in-house methods as specified below
EDTA Whole Blood	Erythrocyte Sedimentation Rate	Starrsed ST ESR analyser based on red cell sedimentation rate LP120 046
Blood	FBC:	Sysmex XN analysers: 1 x XN2000 and 1 x XN1000 • Fluorescence Flow Cytometry for WBC • Hydrodynamic Focussing (aperture Impedance) for RBC and Platelets. • Sodium –Laurly-Sulphate (cyanide free) for HGB analysis. LP120 0018 LP120 0012
	Haemoglobin estimation	colourmetric
	Red cell and platelet counts	Electrical impedence
	Haematocrit	
	Differential white cell count	
	MCV	By calculation
	MCH	
	MCHC	
	Reticulocytes	Elecrical impedence

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HUMAN BODY FLUIDS (cont'd)	<u>Blood Transfusion examination activities for the purposes of clinical diagnosis:</u>	Manufacturer's operating instructions and documented in-house methods as specified below
Whole blood in EDTA	Blood groups. ABO and RhD systems	Automated method using Ortho Visionblood group analyser. LP 400 004 Manual method using tube techniques and Lorne reagents. LP406 003
	Antibody screening and identification: Rh blood group antibodies: Anti-Cw, C, c, E, e and D. Kell blood group antibodies: Anti-Kell, k, Kpa and Kpb. Kidd blood group antibodies: Anti-Jka and Jkb. Duffy blood group antibodies: Anti-Fya, and Fyb. Lutheran blood group antibodies: Anti-Lua and Lub. MNS blood group antibodies: Anti-M, N, S and s. Lewis blood group antibodies: Anti-Lea and Leb. P blood group antibodies: Anti-P1	Automated screening method using Ortho Vision blood group analyser. LP 400 004 Manual screening method using BioVue column gel technology and equipment. Biovue and NHSBT cells LP406 003 Manual identification method using BioVue column gel technology and equipment. LP406 005 Manual antenatal 4 cell screening method using BioVue column gel technology and equipment. All antibodies except anti-D LP406 005
	Serological crossmatch and compatibility testing	Manual method using BioVue column gel technology and equipment. LP405 001

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HUMAN BODY FLUIDS (cont'd)	<u>Blood Transfusion examination activities for the purposes of clinical diagnosis:</u> (cont'd)	Manufacturer's operating instructions and documented in-house methods as specified below
Whole blood in EDTA	Neonatal direct antiglobulin test	Automated method using BioVue neonatal cards on OrthoVision analyser LP406 010. Manual method using BioVue neonatal card LP406 002
	Direct antiglobulin test: detection of Anti-IgG and C3d	BioVue monspecific cards. LP406 002
	Red cell phenotyping for antigens of the following blood group systems: Rh: C, D, E, c, e, and Cw Kell: K and k Duffy: Fya and Fyb Kidd: Jka and Jkb MNS: M, N, S and s Lewis: Lea ABO: A1	Manual method using tube techniques and Lorne reagents. BioVue AHG cards and Lorne reagents. LP406 005
Whole blood	Foetal/maternal haemorrhage screen (Kleihauer)	Clin-tech Shepards stain reagent. LP406 007
END		