

**issued by**

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

**HSL (Analytics) LLP**

**Issue No: 015   Issue date: 16 April 2025**

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## DETAIL OF ACCREDITATION

Assessment Manager: KW1



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**Schedule of Accreditation**  
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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purposes of clinical diagnosis: (cont'd)</u>	Manufacturer's operating instructions and documented in-house methods DOC7129 for Abbott Alinity based on Spectrophotometric, EIA, colorimetric, enzymatic methods and indirect ISE
Serum	Acetaminophen/Paracetamol	Detected by Enzymatic 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
Serum/Urine/Sweat	Chloride	Indirect ISE Ion-selective electrode LP-110-028
Serum/Urine	Potassium	LP-110-028
Serum/Urine	Sodium	LP-110-028
Serum	AFP	Detected by CMIA 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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Serum	Free T4	Detected by CMIA cont'd 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
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
Blood	Anti-tissue Transglutaminase IgA screening for coeliac disease  ANA screening	DS2 Launch. Enzyme Immunoassay.  L210 302 LP210 301



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Blood and Urine	Osmolality	Advanced Instruments Osmometer OSMO1Freezing point depression  LP210 112
CSF	Xanthochromia	Uvikon spectrophotometer.  LP210 022
Plasma	<u>Haematology examination activities for the purposes of clinical diagnosis:</u>  Coagulation studies:	Manufacturer's operating instructions and documented in-house methods as specified below  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)	<u>Haematology examination activities for the purposes of clinical diagnosis:</u> (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



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HUMAN BODY FLUIDS (cont'd)	<u>Haematology examination activities for the purposes of clinical diagnosis: (cont'd)</u>	Manufacturer's operating instructions and/or documented in-house methods as specified below
Blood	Haemoglobinopathy screening for halassemia and haemoglobin variants – HbS, C, D, E and $\beta$ -thalassaemia trait*	Sebia Capillarys 3 Tera capillary electrophoresis LP120 004
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)	<u>Haematology examination activities for the purposes of clinical diagnosis: (cont'd)</u>	Manufacturer's operating instructions and documented in-house methods as specified below
Blood	Detection and Identification of Plasmodium species: <i>P.falciparum</i> <i>P.vivax</i> <i>P.ovale</i> <i>P.malariae</i> <i>P.knowlesi</i>	<ul style="list-style-type: none"> <li>• Giemsa stained thin films</li> <li>• Field's stain thick films</li> </ul> Manual staining LP120 002
Blood	Screening and identification of Plasmodium species: <i>P.falciparum</i> <i>P.vivax</i> <i>P.ovale</i> <i>P.malariae</i>	Immunochromatographic assay using BinaxNOW ICT LP120-002
Blood	ESR	Vitech Starssed Compact analyser using Westergren sedimentation method. Detection of plasma/cells interface, LP120 006
Blood	FBC:	Sysmex XN analysers: 1 x XN2000 and 1 x XN1000
		<ul style="list-style-type: none"> <li>• Fluorescence Flow Cytometry for WBC</li> <li>• Hydrodynamic Focussing (aperture Impedance) for RBC and Platelets.</li> <li>• Sodium –Laurly-Sulphate (cyanide free) for HGB analysis.</li> </ul> LP120 0018 LP120 0012
	Haemoglobin estimation Red cell and platelet counts Haematocrit Differential white cell count MCV MCH MCHC Reticulocytes	colourmetric Electrical impedance  By calculation  Electrical impedance



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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 Vision blood group analyser. LP 400 004 Manual method using tube techniques and Lorne reagents. LP406 003
	Antibody screening and identification:	Automated screening method using Ortho Vision blood group analyser. LP 400 004
	Rh blood group antibodies: Anti-Cw, C, c, E, e and D.	Manual screening method using BioVue column gel technology and equipment. Biovue and NHSBT cells LP406 003
	Kell blood group antibodies: Anti-Kell, k, Kpa and Kpb.	
	Kidd blood group antibodies: Anti-Jka and Jkb.	Manual identification method using BioVue column gel technology and equipment. LP406 005
	Duffy blood group antibodies: Anti-Fya, and Fyb.	
	Lutheran blood group antibodies: Anti-Lua and Lub.	Manual antenatal 4 cell screening method using BioVue column gel technology and equipment. All antibodies except anti-D LP406 005
	MNS blood group antibodies: Anti-M, N, S and s.	
	Lewis blood group antibodies: Anti-Lea and Leb.	
	P blood group antibodies: Anti-P1	
	Serological crossmatch and compatibility testing	Manual method using BioVue column gel technology and equipment. LP405 001





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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 nonspecific 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		