

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 33801 Accredited to ISO 15189:2022	IPP Analytics Limited trading as SYNLAB Essex	
	Issue No: 001 Issue date: 01 October 2026	
	Broomfield Hospital Court Road Chelmsford CM1 7ET	Contact: Sarah Haigh Tel: +44 (0) 300 44 35812 E-Mail: sarah.haigh9@nhs.net Website: www.synlab.co.uk/essex
Testing performed by the Organisation at the locations specified below		

Site activities performed away from the locations listed above:

Location details		Activity
Address Microbiology Department Broomfield Hospital Court Road Chelmsford CM1 7ET	Contact As above	Microbiology
Address Blood Sciences Department Broomfield Hospital Court Road Chelmsford CM1 7ET	Contact As above	Management of blood fridges located in: Main Laboratory Main Reception Burns ITU Haematology Ward C452 Maternity Theatre
Address Braintree Community Hospital Braintree Essex CM7 2AL	Contact As above	Management of blood fridges



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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS AND TISSUES	<u>Microbiology examination activities for the purpose of clinical diagnosis</u>	Documented in-house methods and manufacturer's operating instructions, where relevant, to support clinical diagnosis
Urine	Detection and quantification of red cells, white cells, bacteria, epithelial cells, urinary casts and yeast cells.	Sysmex UF-5000 Fluorescence Flow Cytometry Automated urine microscopy and particle recognition SOP MICRO-Bact-LP-1
Urine	Isolation and characterisation of microorganisms of clinical significance	Using manual inoculation and culture on chromogenic agar SOP MICRO-ALL-LP-1
Urine	Detection of <i>Legionella pneumophila</i> serogroup 1 antigen and <i>Streptococcus pneumoniae</i> antigen	Alere BinaxNow <i>Legionella pneumophila</i> Urinary Ag card by lateral flow immunoassay Alere BinaxNOW <i>Streptococcus pneumoniae</i> Urinary antigen card by lateral flow immunoassay SOP MICRO-VIR-LP-6
Faeces	Isolation and characterisation of clinically significant microorganisms from the Gastrointestinal Tract.	Manual inoculation and media culture Light Microscopy
Faeces	Detection of DNA from <i>Salmonella</i> spp., <i>Shigella</i> spp., <i>Campylobacter</i> spp., <i>Escherichia coli</i> STEC, <i>Cryptosporidium</i> spp and <i>Giardia lamblia</i>	DNA Detection using Serosep EntericBio SOP MICRO-BACT-LP-2 SOP MICRO-BACT-LP-26
Faeces	Detection of <i>Clostridium difficile</i> Toxin gene	Using real-time PCR Serosep EntericBio C.diff assay to detect tcdB gene SOP MICRO-BACT-LP-2 SOP MICRO-BACT-LP-26
Faeces	Detection of <i>Helicobacter pylori</i> faecal antigen	Diasorin Liaison XL using chemiluminescent immunoassay SOP MICRO-BACT-LP-18



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Microbiology examination activities for the purposes of clinical diagnosis</u> (cont'd)	Documented in-house methods and manufacturer's operating instructions to support clinical diagnosis
Faeces	Detection and identification of Helminths, nematodes, flukes, parasitic larvae, protozoa, ova, eggs and cysts of clinical significance.	Using Apacor Parasep faecal concentrator kit and light microscopy. SOP MICRO-BACT-LP-2
Swabs (ear, nose, throat, eye, wound, genital tract), CSF, tissue, fluids, respiratory samples	Isolation and characterisation of microorganisms of clinical significance.	Manual inoculation and media culture SOP MICRO-BACT-LP-3 SOP MICRO-BACT-LP-6 SOP MICRO-BACT-LP-8 SOP MICRO-BACT-LP-9 SOP MICRO-BACT-LP-19
Swabs (Nose, Groin and wound)	Isolation and characterisation of <i>Staphylococcus aureus</i>	Using manual inoculation and culture on chromogenic agar SOP MICRO-BACT-LP-4
Swabs (Nose)	Molecular detection of MRSA	Using Cepheid GeneXpert MRSA Reverse-Transcriptase PCR SOP MICRO-ALL-LP-3
Swabs (Nasopharyngeal and Nasal)	Detection of SARS-CoV-2 Specifically, N2, E RNA dependant RdRp genes gene targets	Using Cepheid GeneXpert CoV-2Flu/RSV. Real-time PCR SOP MICRO-ALL-LP-7
Swabs (Nose)	Detection of Influenza A virus, Influenza B virus & Respiratory Syncytial virus	Using Cepheid GeneXpert CoV-2Flu/RSV. Real-time PCR SOP MICRO-ALL-LP-4
Sputum, pleural fluid and bronchial lavages	Detection of TB including Rifampicin resistance	Using Cepheid GeneXpert MTB/RIF Ultra semi-quantitative, real-time PCR assay SOP MICRO-BACT-LP-24
Whole Blood & Normally Sterile Fluids (Ascitic, Eye, Pleural, Joint & Peritoneal)	Detection of clinically significant microorganisms	Using BioMerieux BacT/ALERT 3D SOP MICRO-BACT-LP-5 SOP MICRO-BACT-LP-9



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Microbiology examination activities for the purposes of clinical diagnosis</u> (cont'd)	Documented in-house methods and manufacturer's operating instructions to support clinical diagnosis
Sputum, tissue, fluids	Isolation and characterisation of <i>Mycobacteria</i> spp.	Using BioMerieux BacT/ALERT MP Light Microscopy using Auramine-Phenol Stain SOP MICRO-BACT-LP-7 SOP MICRO-BACT-PR-5
Faeces	Detection of Norovirus GI/GII	Cepheid GeneXpert Norovirus, Real-time reverse transcriptase PCR SOP MICRO-ALL-LP-7
Clinical isolates cultured in-house (inc. bacteria/yeasts/fungi)	Identification of microorganisms of clinical significance.	Using manual biochemical tests, staining and BioMerieux Vitek 2 SOP MICRO-BACT-LP-21 SOP MICRO-BACT-LP-13 SOP MICRO-BACT-LP-25 SOP MICRO-BACT-PR-5
Clinical isolates cultured in-house (inc. bacteria/yeasts)	Antimicrobial susceptibility testing (AST)	Automated AST with MIC using BioMerieux Vitek 2 (EUCAST) using media culture MIC Determination using gradient strips (EUCAST) SOP MICRO-BACT-LP-13 SOP MICRO-ALL-LP-12
CSF & Peritoneal Fluid	Quantification and differentiation of white blood cells and red blood cell quantification.	Manual method using Kova counting chamber. SOP MICRO-BACT-LP-19 SOP MICRO-BACT-LP-9
Swabs (female genital)	Detection of bacterial vaginosis	Gram stain interpreted using Hays criteria. SOP MICRO-BACT-LP-3 SOP MICRO-BACT-PR-5
Skin scraping, Nail clippings, Hair samples	Isolation and identification of fungi of clinical significance Presence or absence of fungal elements	KOH digestion, Calcofluor staining Media culture, macroscopic examination Light microscopy Wet film microscopy SOP MICRO-BACT-LP-10



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Microbiology examination activities for the purposes of clinical diagnosis</u> (cont'd)	Documented in-house methods to meet the requirements of the IDPS screening programme(s) as defined in the laboratory QA evidence requirement
Vaginal, cervical and urethral swabs	Chlamydia trachomatis	Hologic Panther
Urine	Neisseria gonorrhoeae	Target amplification nucleic acid probe tests for initial detection and subsequent confirmation
	Nucleic acid detection	SOP MICRO-VIR-LP-10
Serum	Detection of: HBs Ag HBe Ag anti-HBe HBc Ab HBc IgM anti-HBs HIV Antigen/Antibody* Hepatitis C Antibody Rubella IgG Rubella IgM Syphilis Antibody* CMV IgG CMV IgM VZV IgG Toxoplasma gondii IgG Toxoplasma gondii IgM Bordetella pertussis IgA Bordetella pertussis IgM Measles IgG Mumps IgG EBV VCA IgG EBV VCA IgM EBNA IgG Borrelia burgdorferi IgM Borrelia burgdorferi IgG Parvovirus IgG Parvovirus IgM Hepatitis E IgM Hepatitis E IgG	Diasorin Liaison XL using chemiluminescent immunoassay SOP MICRO-VIR-PR-9



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HUMAN BODY FLUIDS (as stated)	<u>Biochemical examination activities for the purposes of clinical diagnosis.</u> <u>General Biochemistry</u> Quantification of:	In house documented procedures based on Beckman AU, DXI and other supplier's equipment manuals and standard methods as specified below:
Serum / Plasma / Urine	Sodium	BS-BAUTO-LP-101 using AU (Ion Selective Electrode)
Serum / Plasma / Urine	Potassium	BS-BAUTO-LP-101 using AU (Ion Selective Electrode)
Serum / Plasma / Urine	CRP	BS-BAUTO-LP-101 using AU (Ion Selective Electrode)
Serum / Plasma / Urine	Chloride	BS-BAUTO-LP-101 using AU (Ion Selective Electrode)
Serum / Plasma	Bicarbonate	BS-BAUTO-LP-24 using AU (Photometry)
Serum / Plasma / Urine	Calcium	BS-BAUTO-LP-25 using AU (Photometry)
Serum / Plasma / Urine	Urea	BS-BAUTO-LP-55 using AU (Photometry)
Serum / Plasma / Urine	Creatinine (Jaffe / enzymatic)	BS-BAUTO-LP-26 using AU (Photometry)
Serum / Plasma	Urate	BS-BAUTO-LP-54 using AU (Photometry)
Serum / Plasma	Glucose	BS-BAUTO-LP-36 using AU (Photometry)
Serum / Plasma / Urine	Phosphate	BS-BAUTO-LP-43 using AU (Photometry)



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HUMAN BODY FLUIDS (as stated) (cont'd)	<u>Biochemical examination activities for the purposes of clinical diagnosis</u> (cont'd)	In house documented procedures based on Beckman AU, DXI and other supplier's equipment manuals and standard methods as specified below:
Serum / Plasma	Bilirubin (total)	BS-BAUTO-LP-52 using AU (Photometry)
Serum / Plasma	Iron	BS-BAUTO-LP-42 using AU (Photometry)
Urine	Micro total protein	BS-BAUTO-LP-105 using AU (Photometry)
Serum / Plasma	Total Protein	BS-BAUTO-LP-105 using AU (Photometry)
Serum / Plasma	Albumin	BS-BAUTO-LP-15 using AU (Photometry)
Serum / Plasma / Urine	Magnesium	BS-BAUTO-LP-47 using AU (Photometry)
Serum / Plasma	AST	BS-BAUTO-LP-21 using AU (Photometry)
Serum / Plasma	ALT	BS-BAUTO-LP-20 using AU (Photometry)
Serum / Plasma	LDH	BS-BAUTO-LP-44 using AU (Photometry)
Serum / Plasma	CK	BS-BAUTO-LP-29 using AU (Photometry)
Serum / Plasma	ALP	BS-BAUTO-LP-19 using AU (Photometry)
Serum / Plasma / Urine	Amylase	BS-BAUTO-LP-22 using AU (Photometry)



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Serum / Plasma	GGT	BS-BAUTO-LP-37 using AU (Photometry)
Serum / Plasma	Cholesterol (total)	BS-BAUTO-LP-27 using AU (Photometry)
Serum / Plasma	Triglyceride	BS-BAUTO-LP-51 using AU (Photometry)
Serum / Plasma	HDL	BS-BAUTO-LP-38 using AU (Photometry)
Plasma	Ammonia	BS-BAUTO-LP-7 using AU (Photometry)
Serum / Urine	Osmolality	BS-BAUTO-LP-1 Using Advanced Instruments SMO1
Serum / Urine	Free beta human chorionic gonadotropin (bhCG) and pregnancy associated plasma protein-A (PAPP-A) (Combined Test)	Documented in-house methods to meet the requirements of the Foetal Anomaly Screening programme as defined in the laboratory QA evidence requirements – BS-DOWN-LP-6 using Kryptor Gold
	<u>Therapeutic Drugs</u>	
	Quantification of:	In house documented procedures based on Beckman AU, DXI and other supplier's equipment manuals and standard methods as specified below:
Serum / Plasma	Carbamazepine	BS-BAUTO-LP-102 using AU (Photometry)
Serum / Plasma	Procalcitonin	BS-BAUTO-LP-104 using Elecsys BRAHMS
Serum / Plasma	Transferrin	BS-BAUTO-LP-111 using Beckman AU Immuno-turbidimetric method



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HUMAN BODY FLUIDS (as stated) (cont'd)	<u>Biochemical examination activities for the purposes of clinical diagnosis</u> (cont'd)	In house documented procedures based on Beckman AU, DXI and other supplier's equipment manuals and standard methods as specified below:
Serum / Plasma	Phenytoin	BS-BAUTO-LP-49 using AU (Photometry)
Serum / Plasma	Phenobarbitone	BS-BAUTO-LP-7 using AU (Photometry)
Serum / Plasma	Valproate	BS-BAUTO-LP-56 using AU (Photometry)
Serum / Plasma	Digoxin	BS-BAUTO-LP-33 using AU (Photometry)
Serum / Plasma	Lithium	BS-BAUTO-LP-46 using AU (Photometry)
	<u>Routine Toxicology</u>	
	Quantification of:	In house documented procedures based on Beckman AU, DXI and other supplier's equipment manuals and standard methods as specified below:
Serum / Plasma	Paracetamol	BS-BAUTO-LP-17 using AU (Photometry)
Serum / Plasma	Salicylate	BS-BAUTO-LP-50 using AU (Photometry)



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HUMAN BODY FLUIDS (as stated) (cont'd)	<u>Biochemical examination activities for the purposes of clinical diagnosis</u> (cont'd) <u>Specific Proteins</u> Quantification of:	In house documented procedures based on Beckman AU, DXI and other supplier's equipment manuals and standard methods as specified below:
Serum / Plasma	IgA	BS-BAUTO-LP-39 using AU (Photometry)
Serum / Plasma	IgM	BS-BAUTO-LP-39 using AU (Photometry)
Serum / Plasma	C3	BS-BAUTO-LP-30 using AU (Photometry)
Serum / Plasma	C4	BS-BAUTO-LP-30 using AU (Photometry)
Serum /	Paraprotein detection	BS-PROT-LP-5 using CAP3 OCTA
Serum /	Paraprotein / Light Chain typing by Immunofixation, as below: IgG IgM IgA Kappa Lambda	BS-PROT-LP-5 using CAP3 OCTA
Serum	Paraprotein quantification	CAP3 OCTA electrophoresis-densitometry BS-PROT-LP-5
Serum	Kappa & Lambda Serum Free Light Chains	BS-PROT-LP-12 using Optilite
CSF	Protein	BS-BAUTO- LP- 107 using AU (Photometry)
CSF	Xanthochromia	Spectrophotometry using Northstar Spectrophotometer – SOPs: BS-BAUTO-TM-21 BS-BAUTO-CA-15



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	<u>Immunoassays</u>	
	Quantification of:	
Serum / Plasma	Cortisol	BS-BAUTO-LP-67 using DXI (Immunoassay)
Serum / Plasma	Progesterone	BS-BAUTO-LP-65 using DXI (Immunoassay)
Serum / Plasma	Oestradiol	BS-BAUTO-LP-16 using DXI (Immunoassay)
Serum / Plasma	Testosterone	BS-BAUTO-LP-66 using DXI (Immunoassay)
Serum / Plasma	SHBG	BS-BAUTO-LP-74 using DXI (Immunoassay)
Serum / Plasma	Troponin T (high sensitivity)	BS-BAUTO-LP-12 using Roche e411 (Immunoassay)
Serum / Plasma	NT-proBNP	BS-BAUTO-LP-11 using Roche e411 (Immunoassay)
Faeces	Faecal Immunochemical Testing (FIT) for quantification of human globin	Using Alpha Labs HMJackarc equipment and SOP BS-PROT-LP-10 for testing of referred symptomatic patients
Serum / Plasma	B12	BS-BAUTO-LP-79 using DXI (Immunoassay)
Serum / Plasma	Folate	BS-BAUTO-LP-75 using DXI (Immunoassay)
Serum / Plasma	Ferritin	BS-BAUTO-LP-59 using DXI (Immunoassay)
Serum / Plasma	Gentamicin	BS-BAUTO-LP-35 using AU (Photometry)



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HUMAN BODY FLUIDS (as stated) (cont'd)	<u>Biochemical examination activities for the purposes of clinical diagnosis</u> (cont'd)	In house documented procedures based on Beckman AU, DXI and other supplier's equipment manuals and standard methods as specified below:
Serum / Plasma	Vancomycin	BS-BAUTO-LP-57 using AU (Photometry)
Serum / Plasma	AFP	BS-BAUTO-LP-61 using DXI (Immunoassay)
Serum / Plasma	HCG	BS-BAUTO-LP-106 using DXI (Immunoassay)
Serum / Plasma	CEA	BS-BAUTO-LP-60 using DXI (Immunoassay)
Serum / Plasma	Ca125	BS-BAUTO-LP-70 using DXI (Immunoassay)
Serum / Plasma	Ca153	BS-BAUTO-LP-71 using DXI (Immunoassay)
Serum / Plasma	Ca199	BS-BAUTO-LP-58 using DXI (Immunoassay)
Serum / Plasma	PSA	BS-BAUTO-LP-69 using DXI (Immunoassay)
Serum / Plasma	TSH	BS-BAUTO-LP-78 using DXI (Immunoassay)
Serum / Plasma	FT3	BS-BAUTO-LP-109 using DXI (immunoassay)
Serum / Plasma	FT4	BS-BAUTO-LP-68 using DXI (Immunoassay)
Serum / Plasma	PTH	BS-BAUTO-LP-73 using DXI (Immunoassay)
Serum / Plasma	FSH	BS-BAUTO-LP-63 using DXI (Immunoassay)
Serum / Plasma	LH	BS-BAUTO-LP-62 using DXI (Immunoassay)



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Serum / Plasma	Prolactin	BS-BAUTO-LP-64 using DXI (Immunoassay)
Serum / Plasma	Caeruloplasmin	BS-BAUTO-LP-114 using AU immunoturbidimetric method
Whole Blood (EDTA)	HbA1c	BS-SHAEM-PR-7 using Tosoh G11
	<u>High Performance Liquid Chromatography</u>	In house documented procedures based on supplier's equipment manuals and standard methods as specified below:
Urine	Quantification of: 5HIAA	BS-DOWN-LP-3 using Jasco HPLC
	<u>Calculated Examinations</u>	In house documented procedures based on equipment manuals and standard methods as specified below:
Serum / Plasma	Adjusted Calcium	BS-CLIN-GU-13 using Clinisys Winpath
Serum / Plasma	Globulin	BS-CLIN-GU-13 using Clinisys Winpath
Serum / Plasma	eGFR	BS-CLIN-GU-13 using Clinisys Winpath
Serum / Plasma	AKI	BS-CLIN-GU-13 using Clinisys Winpath
Serum / Plasma	HDL ratio	BS-CLIN-GU-13 using Clinisys Winpath
Serum / Plasma	Non-HDL Cholesterol	BS-BAUTO-LP-27 using Beckman DXI
Serum / Plasma	Free Androgen Index	BS-BAUTO-LP-74 using Beckman DXI



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Serum / Plasma	FIB4	BS-CLIN-GU-13 using Beckman AU5800
Serum / Plasma	TIBC	BS-CLIN-GU-13 using Clinisys Winpath
Serum / Plasma	Iron saturation and Transferrin	BS-CLIN-GU-13 using Clinisys Winpath
Serum / Plasma / Urine	Creatinine Clearance	BS-CLIN-GU-13 using Clinisys Winpath
Serum / Plasma / Urine	Urine Protein-Creatinine Ratio	BS-CLIN-GU-13 using Clinisys Winpath
Serum / Plasma / Urine	Micro albumin /creatinine Ratio	BS-CLIN-GU-13 using Clinisys Winpath
Urine	Acid urine calculations	BS-DOWN-LP-2 & BS-DOWN-LP-3 using Clinisys Winpath
	<u>Immunological examination activities for the purposes of clinical diagnosis</u>	In house documented procedures based on equipment manuals and standard methods as specified below:
	<u>Autoimmune Testing</u>	All IgG assays performed according to BS-IMM-LP-6 & BS-IMM-LP-11 using Phadia 250 - Enzyme Immunoassay (EliA method) unless stated otherwise
	Quantification of:	
Serum	ANA Screen	
Serum	ENA Screen	
Serum	Cardiolipin IgG antibodies	
Serum	Cardiolipin IgM antibodies	BS-IMM-LP-10 using Phadia 250 - Enzyme Immunoassay (EliA method)



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HUMAN BODY FLUIDS (as stated) (cont'd)	<u>Immunological examination activities for the purposes of clinical diagnosis</u> (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified below:
	<u>Autoimmune Testing</u> (cont'd)	All IgG assays performed according to BS-IMM-LP-6 & BS-IMM-LP-11 using Phadia 250 - Enzyme Immunoassay (EliA method) unless stated otherwise
	Quantification of:	
Serum	TTG IgA antibodies	BS-IMM-LP-9 using Phadia 250 - Enzyme Immunoassay (EliA method)
Serum	TTG IgG antibodies	
Serum	Intrinsic Factor IgG antibodies	BS-IMM-LP-9 using Phadia 250 - Enzyme Immunoassay
Serum	CCP antibodies	
Serum	GBM antibodies	
Serum	MPO antibodies	
Serum	PR3 antibodies	
Serum	DNA antibodies	
Serum	TPO antibodies	BS-IMM-LP-11 (IgG method) using Phadia 250
Serum	ENA profile antibodies	BS-IMM-LP-2 & BS-IMM-LP-19 using EUROBlot One – Immunoblot
Serum	Liver specific antibodies	BS-IMM-LP-3 & BS-IMM-3using EUROBlot One – Immunoblot
Serum	Neuronal antibodies	BS-IMM-LP-4 & BS-IMM-LP-19 using EUROBlot One – Immunoblot
Serum	Alpha 1 Antitrypsin	BS-BAUTO-LP-112 using Beckman AU5800
Serum	Rheumatoid Factor	BS-BAUTO-LP-113 using Beckman AU5800



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HUMAN BODY FLUIDS (as stated) (cont'd)	<u>Immunological examination activities for the purposes of clinical diagnosis.</u> (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified below:
Serum	<u>Allergy testing</u> Detection and quantification of specific IgE to the following allergens: A. Alternaria A. Fumigatus Almond Amoxycillin Animal Mix Animal Mix (Domestic) Anise Api M1 Honey Bee Apple Apricot Ara H2 (Storage Protein Peanut) Ara H8 (Pr10 Peanut) Ara H9 (Ltp Peanut) Aspergillus Niger Avocado Banana Barley Basil Bayleaf Bee (Honey) Beef Bean (Red Kidney Bean) Bean (White Bean) Bean (Green Bean) Bet V1 (Pr10 ,Birch)	BS-IMM-LP-5 & BS-IMM-LP-6(Specific IgE method) using Phadia 250 – Enzyme Immunoassay



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Issue No: 001 Issue date: 01 October 2026

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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS (as stated) (cont'd)	<u>Immunological examination activities for the purposes of clinical diagnosis.</u> (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified below:
Serum (cont'd)	Detection and quantification of specific IgE to the following allergens (cont'd): Bet V2 (Profilin, Birch) Bird Feather Mix Birch (Common Silver Birch) Blueberry Blue Mussel Box Elder Brazil Nut Broccoli Buckwheat Budgerigar C. Herbarum Cacao Canary Candida Albicans Capsicum (Sweet Red Pepper, Paprika) Cardamon Carrot Cashew Cat Dander Ccd Cefaclor Celery Cheese (Cheddar) Cheese (Mould Type) Cherry Chestnut (Sweet Chestnut) Chicken Chickpea Chilli Pepper Chlorhexidine Cladosporium Herbarum Clove Coconut	BS-IMM-LP-5 & BS-IMM-LP-6(Specific IgE method) using Phadia 250 – Enzyme Immunoassay



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HUMAN BODY FLUIDS (as stated) (cont'd)	<u>Immunological examination activities for the purposes of clinical diagnosis.</u> (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified below:
Serum (cont'd)	Detection and quantification of specific IgE to the following allergens (cont'd): Cod Coffee Common Silver Birch Cor A1 (Pr10, Hazel Nut) Cor A8 (Ltp, Hazel Nut) Cor A9 (Storage Protein Hazel Nut) Cor A14 (Storage Protein Hazel Nut) Coriander Cow Dander Cow's Milk Crab Cucumber Cultivated Rye Curry Mix Dog Dander Domestic Animal Mix Egg White Egg Yolk European Hornet Finch Feathers Fish Mix Food Mix (General) Gal D1 (Ovomucoid, Egg White) Garlic Ginger Gluten Goat's Milk Goldenrod Goosefoot Grain Mix Grape Grapefruit Green Bean	BS-IMM-LP-5 & BS-IMM-LP-6 (Specific IgE method) using Phadia 250 – Enzyme Immunoassay



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HUMAN BODY FLUIDS (as stated) (cont'd)	<u>Immunological examination activities for the purposes of clinical diagnosis.</u> (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified below:
Serum (cont'd)	Detection and quantification of specific IgE to the following allergens (cont'd): Grass Mix Guinea Pig Epith Gum Arabic Hamster Hazel (Tree) Hazel Nut Horse Dander House Dust Mite KIDNEY BEAN (Red) Kiwi Lamb/Mutton Latex Lemon Lentils Lobster London Plane (Maple Leaf Sycamore) Lupin Seed Mackerel Macademia Nut Maize Mandarin Mango Melon Mint Mould Mix Mouse Mugwort Mussel (Blue Mussel) Mushroom Mustard Nettle Nut Mix Oak Oat Olives (Black)	BS-IMM-LP-5 & BS-IMM-LP-6(Specific IgE method) using Phadia 250 – Enzyme Immunoassay



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HUMAN BODY FLUIDS (as stated) (cont'd)	<u>Immunological examination activities for the purposes of clinical diagnosis.</u> (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified below:
Serum (cont'd)	Detection and quantification of specific IgE to the following allergens (cont'd): Omega-5-Gliadin (Tri A19, Wheat) Onion Orange Oregano Oyster P. Chrysogenum Papaya PAPRIKA (Vegetable – Red/Green/Bell Pepper) Parrot Feathers Pea Peach Peanut Pear Pecan Penicillin G Penicillin V Phl P1, P5b Pine Nut Pineapple Pistachio Plantain Plum Poppy Seed Pork Potato Pru P3 Ltp Peach Pumpkin Seed Rabbit (Epithelium) Rabbit (Meat) Ragweed Rape (Pollen) Rape Seed Raspberry Rice	BS-IMM-LP-5 & BS-IMM-LP-6 (Specific IgE method) using Phadia 250 – Enzyme Immunoassay



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HUMAN BODY FLUIDS (as stated) (cont'd)	<u>Immunological examination activities for the purposes of clinical diagnosis.</u> (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified below:
Serum (cont'd)	Detection and quantification of specific IgE to the following allergens (cont'd): Rat Red Kidney Bean Rye-Grass S. Rostrata Salmon Sardine (Pilchard) Sesame Seed Scallop Sheep's Milk Shrimp Soybean Spelt Wheat Squid Strawberry Sunflower Seed Sweet Chestnut Sweet Vernal Grass Timothy Grass Tomato Tree Mix Tuna Velvet Grass Ves V1 Wasp Ves V5 Wasp Walnut Wasp (Common) Weed Mix Wheat White Bean Yeast (Saccharomyces Serevisiae)	BS-IMM-LP-5 & BS-IMM-LP-6 (Specific IgE method) using Phadia 250 – Enzyme Immunoassay
Serum	Total IgE	BS-IMM-LP-5 & BS-IMM-LP-6 (Total IgE method) using Phadia 250 – Enzyme Immunoassay



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HUMAN BODY FLUIDS (cont'd)	<u>Immunological examination activities for the purposes of clinical diagnosis.. (cont'd)</u> <u>Tissue Autoantibodies</u>	All assays performed according to: BS-IMM-PR- 33, BS-IMM-LP-7 & BS-IMM-LP-13 using Quanta Lyser 2 Slide processor- Indirect Immunofluorescence.
Serum	Antinuclear antibodies	
Serum	Gastric Parietal Cell antibodies	
Serum	Mitochondria antibodies	
Serum	Smooth Muscle antibodies	
Serum	Liver Kidney Microsomal antibodies	



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HUMAN BODY FLUIDS (cont'd)	<u>General Haematology examination activities for the purpose of clinical diagnosis</u>	Documented in-house methods and manufacturer's operating instructions as specified to support clinical diagnosis:
Whole Blood (EDTA)	Haematology examination activities for the purposes of clinical diagnosis using Full Blood Count Analysis (FBC) of the Following Parameters: White Blood Cell (WBC) Count Red Blood Cell (RBC) Count Haemoglobin (Hb) Haematocrit (Hct) Mean Cell Volume (MCV) Mean Cell Haemoglobin (MCH) Mean Cell Haemoglobin Concentration (MCHC) Red Cell Distribution Width (RDWCV) Platelets Neutrophils Lymphocytes Monocytes Eosinophils Basophils Reticulocytes Nucleated red blood cell (NRBC) count	All assays performed according to: BS RHAEM LP 5 using Sysmex XN1000 & XN2000 analysers – Fluorescence, impedance flow cytometry
Whole Blood (EDTA)	Erythrocyte Sedimentation Rate (ESR)	BS RHAEM LP4 using Beckman Coulter Alifax – Stopped flow kinetic analysis
Whole Blood (EDTA)	Microscopical identification of normal and abnormal blood cell morphologies including microscopical WBC differential count	BS RHAEM LP 13/ LP 9 using Glass slide – wedge stained blood films – Manual and automated using Sysmex SP- 50



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HUMAN BODY FLUIDS (cont'd)	<u>General Haematology examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented in-house methods and manufacturer's operating instructions as specified to support clinical diagnosis:
Whole Blood (EDTA)	Blood film characteristics and morphology for detection of malarial parasite	BS RHAEM LP 1 using thick film examination, microscopical identification as well as wedge stained blood films – Manual and automated using Sysmex SP-50 and Care US Malaria Rapydtest RDT kit.
Whole Blood (EDTA)	Glandular fever - Detection of Infectious mononucleosis antibodies	BS RHAEM LP 3 using Accusay Mono - Direct solid phase immunoassay technique
Whole Blood (EDTA)	Quantification of fetal-maternal haemorrhage (Kleihauer Screen)	Kleihauer testing by manual acid elution technique followed by microscopy using GUEST Medical Kit - SOP BS RHAEM LP2
Whole Blood (EDTA)	Detection and identification of abnormal haemoglobin (Sickle cell)	Sickle cell screening test - BS SHAEM LP 2 using manual ITANO turbidity technique
	<u>Coagulation Screen</u>	All assays performed according to: BS COAG LP 3 BS COAG PR 7 BS COAG PR 8 using IL-TOPS – Werfen Analysers – Differential optic absorption technique unless stated otherwise.
Citrated plasma	Activated Partial Prothrombin Time (APTT)	
Citrated plasma	Mixing studies using 50:50 Normal pooled plasma: patient plasma for the investigation of deranged PT &/or APTT results.	BS COAG LP 3 using IL-TOPS – Werfen Analyser
Citrated plasma	International Normalised Ratio (INR)	
Citrated plasma	Fibrinogen	



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HUMAN BODY FLUIDS (cont'd)	<u>General Haematology examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented in-house methods and manufacturer's operating instructions as specified to support clinical diagnosis:
Citrated plasma	D-Dimer	
Citrated plasma	Factor Assays: II, V, VII, VIII, IX, X, XI, XII	BS COAG LP 4 using IL-TOPS – Werfen Analyser
Citrated plasma	Low Molecular Weight Heparin Test	BS COAG LP 5 using IL-TOPS – Werfen Analyser
Citrated plasma	Lupus Anticoagulant	BS COAG LP 6 using IL-TOPS – Werfen Analyser
Citrated plasma	Protein C & Protein S Assays Antithrombin Test	BS COAG LP 7 using IL-TOPS – Werfen Analyser - Differential optic absorption technique and chromogenic assays
HUMAN BODY FLUIDS	<u>Blood Transfusion Examinations to assist in Clinical Investigations</u>	In house documented procedures based on equipment manuals and standard methods as specified below:
Whole Blood (EDTA)	Blood Grouping and Antibody Screen	BS BT LP 15 Routine operation of the IH 1000 BS BT LP 3 Antibody identification using Bio-Rad techniques. BS BT LP 13 – Manual Group and Screen
Whole Blood (EDTA)	Identification of antibodies: D /C /E /c /e /Cw /K /k /Kpa /Kpb /Jsa /Jsb / Fya /Fyb /Jka /Jkb /Lea /Leb /P1 /M /N /S /s / Lua /Lub / Xga / auto antibodies	BS-BT-LP-3 Antibody identification using Bio-Rad techniques – Manual and automated using BioRad and gel card technology with NHSBT panel cells or Prophylax panels for pregnant mums on RAADP



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HUMAN BODY FLUIDS (cont'd)	<u>Blood Transfusion Examinations to assist in Clinical Investigations</u> (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified below:
Whole Blood (EDTA)	Phenotyping by antigen detection for antigens Rh/Kell	BS BT LP 7 - Manual using gel card technology with NHSBT detection material
Whole Blood (EDTA)	Cross-matching of patient sample with donor units	BS BT LP 11 – Manual using BioRad gel card technology
Whole Blood (EDTA)	Baby Blood Group with Direct Antiglobulin Test	BS BT LP 4 – Manual using BioRad gel card technology
Whole Blood (EDTA)	Direct Antiglobulin Test	BS BT LP 16 – Manual using BioRad gel card technology
END		