


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS MEDICAL</p> <p>8210</p> <p>Accredited to ISO 15189:2012</p>	<p>Royal Devon University Healthcare NHS Foundation Trust</p> <p>Issue No: 013 Issue date: 09 October 2024</p>	
	<p>Department of Blood Sciences Royal Devon & Exeter Hospital Area A2 Barrack Road Exeter EX2 5DW</p>	<p>Contact: Adrian Cudmore/Mandy Perry Tel: +44 (0) 1392 402461 Fax: +44 (0) 1392 402905 E-Mail: rduh.bloodsciencesadmin@nhs.net Website: www.exeterlaboratory.com</p>
<p>Testing performed at the above address only</p>		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details		Activity
Department of Blood Sciences Royal Devon & Exeter Hospital Template A Barrack Road Exeter EX2 5DW	<p>Contact: Adrian Cudmore 01392 402936</p>	Clinical Chemistry including Fetal Anomaly Screening Programme
	<p>Adrian Cudmore 01392 402936</p>	General Haematology including Sickle cell and thalassaemia screening
	<p>Adrian Cudmore 01392 402936</p>	Blood transfusion including storage & issue of blood and blood products
	<p>Adrian Cudmore 01392 402936</p>	Special Haematology including Molecular Haematology
	<p>Adrian Cudmore 01392 402936</p>	Immunology



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Site activities performed away from the locations listed above:

Location details	Activities
Phlebotomy department Royal Devon and Exeter NHS Foundation Trust Barrack Road Exeter EX2 5DW	Venepuncture and collection of blood for diagnostic purposes
Haematology Wards Royal Devon and Exeter NHS Foundation Trust Barrack Road Exeter EX2 5DW	Fridge for storage & issue of blood and blood products only
Maternity Ward Royal Devon and Exeter NHS Foundation Trust Barrack Road Exeter EX2 5DW	Fridge for storage & issue of blood and blood products only
Main theatre Royal Devon and Exeter NHS Foundation Trust Barrack Road Exeter EX2 5DW	2 Fridges for storage & issue of blood and blood products only
Orthopaedic centre Royal Devon and Exeter NHS Foundation Trust Barrack Road Exeter EX2 5DW	Fridge for storage & issue of blood and blood products only
Tiverton Hospital Kennedy Way EX16 6NT	Fridge for storage & issue of blood and blood products only
Sidmouth Hospital Herdons Lane All Saints Road EX10 8EW	Fridge for storage & issue of blood and blood products only
Nightingale Hospital Moor Lane EX2 7JG	Blood fridge for storage & issue of blood and blood products only



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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>Biochemistry examination activities for the purpose of clinical diagnosis</u>	In house documented procedures incorporating manufacturers' instructions where relevant using the following instrumentation and methodology: Roche Cobas 8000 modular system - Spectrophotometric, immunoassay, indirect ion selective electrode methodologies. CC/SOP/0284
Serum from venous and capillary collection	Albumin	Colourimetric, BCG
Serum from venous and capillary collection	Alkaline phosphatase	Colourimetric, IFCC
Serum from venous and capillary collection	Alanine aminotransferase	Kinetic, IFCC without PP activation
Serum from venous and capillary collection	Protein (total)	Kinetic, IFCC without PP activation
Serum from venous and capillary collection	Iron	Colourimetric, Biuret
Serum from venous and capillary collection	Magnesium	Colourimetric, Xylidyl Blue
Serum from venous and capillary collection	Cortisol	Competitive ECLIA
Serum from venous and capillary collection	Folate	Competitive ECLIA
Serum from venous and capillary collection	FT3	Competitive ECLIA
Serum from venous and capillary collection	FT4	Competitive ECLIA
Serum from venous and capillary collection	Oestradiol	Competitive ECLIA
Serum from venous and capillary collection	Progesterone	Competitive ECLIA
Serum from venous and capillary collection	Testosterone	Competitive ECLIA
Serum from venous and capillary collection	Vitamin D total	Competitive ECLIA



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<p>HUMAN BODY FLUIDS AND TISSUES (cont'd)</p> <p>Serum from venous and capillary collection</p> <p>Serum from venous and capillary collection</p> <p>Serum from venous and capillary collection</p> <p>Serum from venous and capillary collection</p> <p>Serum from venous and capillary collection</p> <p>Serum from venous and capillary collection</p> <p>Serum from venous and capillary collection</p> <p>Serum from venous and capillary collection</p> <p>Serum from venous and capillary collection</p> <p>Serum from venous and capillary collection</p> <p>Serum from venous and capillary collection</p> <p>Serum from venous and capillary collection</p> <p>Serum from venous and capillary collection</p> <p>Serum from venous and capillary collection</p> <p>Serum from venous and capillary collection</p> <p>Serum from venous and capillary collection</p> <p>Serum from venous and capillary collection</p> <p>Serum from venous and capillary collection</p> <p>Serum from venous and capillary collection</p> <p>Serum from venous and capillary collection</p> <p>Serum from venous and capillary collection</p>	<p><u>Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)</u></p> <p>HDL-Cholesterol</p> <p>Cholesterol (total)</p> <p>γ-Glutamyltransferase</p> <p>Triglycerides</p> <p>Transferrin</p> <p>IgA</p> <p>IgG</p> <p>IgM</p> <p>Chloride</p> <p>Urea</p> <p>hsCRP</p> <p>Active B12</p> <p>CA 125</p> <p>Ferritin</p> <p>IGF-1</p> <p>FSH</p> <p>LH</p>	<p>In house documented procedures incorporating manufacturers' instructions where relevant using the following instrumentation and methodology</p> <p>Roche Cobas 8000 modular system - Spectrophotometric, immunoassay, indirect ion selective electrode methodologies</p> <p>CC/SOP/0284</p> <p>Enzymatic Colourimetric, CHER</p> <p>Enzymatic Colourimetric, ID/MS standardisation</p> <p>Enzymatic Colourimetric, IFCC</p> <p>Enzymatic Colourimetric, Wahlefeld</p> <p>Immunoturbidimetric</p> <p>Immunoturbidimetric, Tina-quant</p> <p>Immunoturbidimetric, Tina-quant</p> <p>Immunoturbidimetric, Tina-quant</p> <p>Indirect ISE</p> <p>Kinetic, Urease</p> <p>Particle enhanced Immunotubidimetric assay, Latex Sandwich ECLIA</p> <p>Sandwich ECLIA</p> <p>Sandwich ECLIA</p> <p>Sandwich ECLIA</p> <p>Sandwich ECLIA</p> <p>Sandwich ECLIA</p>



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<p>HUMAN BODY FLUIDS AND TISSUES (cont'd)</p> <p>Serum from venous and capillary collection</p> <p>Serum from venous and capillary collection</p> <p>Serum from venous and capillary collection</p> <p>Serum from venous and capillary collection</p> <p>Serum from venous and capillary collection</p> <p>Serum from venous and capillary collection</p> <p>Serum from venous and capillary collection</p> <p>Serum from venous and capillary collection</p> <p>Serum from venous and capillary collection</p> <p>Serum from venous and capillary collection and urine</p> <p>Serum from venous and capillary collection and urine</p> <p>Serum from venous and capillary collection and urine</p> <p>Venous Serum</p> <p>Venous Serum</p> <p>Venous Serum</p> <p>Venous Serum</p>	<p><u>Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)</u></p> <p>Prolactin</p> <p>PSA (total)</p> <p>SHBG</p> <p>TSH</p> <p>Creatine kinase</p> <p>Anti-SARS-CoV-2</p> <p>Anti-SARS-CoV-2 S</p> <p>Creatinine</p> <p>Sodium</p> <p>Urate</p> <p>Bilirubin (total)</p> <p>Ethanol</p> <p>Paracetamol</p> <p>Bile acids</p>	<p>In house documented procedures incorporating manufacturers' instructions where relevant using the following instrumentation and methodology:</p> <p>Roche Cobas 8000 modular system - Spectrophotometric, immunoassay, indirect ion selective electrode methodologies.</p> <p>CC/SOP/0284</p> <p>Sandwich ECLIA</p> <p>Sandwich ECLIA</p> <p>Sandwich ECLIA</p> <p>Sandwich ECLIA</p> <p>UV-Test, IFCC</p> <p>Sandwich ECLIA</p> <p>Sandwich ECLIA (double antigen)</p> <p>Enzymatic, Creatininase</p> <p>Indirect ISE</p> <p>Enzymatic Colourimetric, Uricase</p> <p>Colourimetric, Diazo</p> <p>Enzymatic, Alcohol Dehydrogenase</p> <p>Colourimetric, Arylacylamidase</p> <p>Colourimetric, HSD</p>



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HUMAN BODY FLUIDS AND TISSUES (cont'd) Venous Serum Venous Serum Venous Serum Venous Serum Venous Serum Venous Serum Venous Serum Venous Serum Venous Serum Venous Serum Venous Serum Venous Serum	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)</u> Lactate Calcium (total) Lithium Anti-Thyroglobulin Anti-TPO Cyclosporin Digoxin Tacrolimus Vitamin B12 Amylase Ammonia Angiotensin converting enzyme	In house documented procedures incorporating manufacturers' instructions where relevant using the following instrumentation and methodology: Roche Cobas 8000 modular system - Spectrophotometric, immunoassay, indirect ion selective electrode methodologies. CC/SOP/0284 Colourimetric, LOD Colourimetric, NM-BAPTA Colourimetric, Porphyrin Competitive ECLIA Competitive ECLIA Competitive ECLIA Competitive ECLIA Competitive ECLIA Competitive ECLIA Enzymatic Colourimetric, IFCC Enzymatic, Glutamate dehydrogenase Enzymatic, KK-ACK



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HUMAN BODY FLUIDS AND TISSUES (cont'd) Venous serum Venous serum Venous serum Venous serum Venous serum Venous serum Venous serum Venous serum Venous serum Venous serum Venous serum Venous serum Venous serum Venous serum Venous serum Venous serum Venous serum	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)</u> Complement C3 Complement C4 Carbamazepine Phenytoin Thophylline Vancomycin Phosphate CRP AFP AMH Beta-HCG CA 15-3 CA 19-9 CEA Free beta hCG	In house documented procedures incorporating manufacturers' instructions where relevant using the following instrumentation and methodology: Roche Cobas 8000 modular system - Spectrophotometric, immunoassay, indirect ion selective electrode methodologies CC/SOP/0284 Immunosubidometric, Tina-quant Immunosubidometric, Tina-quant KIMS KIMS KIMS KIMS Molybdate UV, Molybdate Particle enhanced Immunosubidimetric assay, Tina-quant Sandwich ECLIA Sandwich ECLIA Sandwich ECLIA Sandwich ECLIA Sandwich ECLIA Sandwich ECLIA Sandwich ECLIA



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<p>HUMAN BODY FLUIDS AND TISSUES (cont'd)</p> <p>Venous Serum</p> <p>Venous Serum</p> <p>Venous Serum</p> <p>Venous Serum</p> <p>Venous Serum</p> <p>Venous Serum</p> <p>Venous Serum</p> <p>Venous Serum</p> <p>Venous Serum</p> <p>Venous Serum</p> <p>Venous Serum</p> <p>Venous Serum</p> <p>Venous Serum</p> <p>Venous Serum</p> <p>Venous Serum</p>	<p><u>Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)</u></p> <p>hGH</p> <p>hs Troponin T hs</p> <p>IgE</p> <p>PAPP-A</p> <p>PIGF</p> <p>proBNP</p> <p>PTH</p> <p>sFlt-1</p> <p>Anti-CCP</p> <p>Lactate dehydrogenase</p> <p>Bicarbonate</p> <p>Bilirubin (direct)</p> <p>Tobramycin</p> <p>Gentamycin</p> <p>Methotrexate</p>	<p>In house documented procedures incorporating manufacturers' instructions where relevant using the following instrumentation and methodology:</p> <p>Roche Cobas 8000 modular system - Spectrophotometric, immunoassay, indirect ion selective electrode methodologies.</p> <p>CC/SOP/0284</p> <p>Sandwich ECLIA</p> <p>Sandwich ECLIA</p> <p>Sandwich ECLIA</p> <p>Sandwich ECLIA</p> <p>Sandwich ECLIA</p> <p>Sandwich ECLIA</p> <p>Sandwich ECLIA</p> <p>Sandwich ECLIA</p> <p>Sandwich ECLIA (IgG-Capture)</p> <p>UV-Test, IFCC</p> <p>Enzymatic, PEP</p> <p>Enzymatic, Vanidate Oxidation</p> <p>Enzyme Immunoassay</p> <p>Enzyme Immunoassay, CEDIA</p> <p>Enzyme Immunoassay, EMIT</p>



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Venous serum	Salicylate	Enzyme Mediated Colourimetric, Hydroxylase
Venous serum	Ceruloplasmin	Immunoturbidometric
Venous serum	Rheumatoid factor	Immunoturbidometric
Venous serum	Free kappa light chains	Immunoturbidometric, Freelite
Venous serum	Free lambda light chains	Immunoturbidometric, Freelite
Venous serum	Alpha-1-antitrypsin	Immunoturbidometric, Tina-quant
Venous serum	Beta-2 microglobulin	Immunoturbidometric, Tina-quant
Venous Serum and urine	Amylase	Enzymatic Colourimetric, IFCC
Venous Serum and urine	Potassium	Indirect ISE
Venous Serum and plasma	Insulin	Sandwich ECLIA
Venous Serum, plasma and urine	C-peptide	Sandwich ECLIA
CSF	Lactate	Colourimetric, LOD
CSF, urine	Protein	Turbidimetric
CSF, urine, venous serum	Glucose	UV-Test, Hexokinase
Urine	Calcium	Colourimetric, NM-BAPTA
Urine	Magnesium	Colourimetric, Xylidyl Blue



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u> (cont'd)	In house documented procedures incorporating manufacturers' instructions where relevant using the following instrumentation and methodology: Roche Cobas 8000 modular system - Spectrophotometric, immunoassay, indirect ion selective electrode methodologies. CC/SOP/0284
Urine	MicroAlbumin	Immunoturbidometric, Tina-quant
Urine	Amphetamines	KIMS
Urine	Benzodiazepines	KIMS
Urine	Cannabinoids	KIMS
Urine	Cocaine	KIMS
Urine	Methadone	KIMS
Urine	Opiates	KIMS
Urine	Urea	Kinetic, Urease
Urine	Phosphate	Molybdate UV, Molybdate By calculation
Urine	Creatinine Clearance	CC/SOP/0119
Venous serum	Adjusted Calcium	
Venous serum	sFlt-1/PIGF	
Venous serum	Acute Kidney Injury	Calculated using renal registry national algorithm
Venous serum	GFR	MDRD EPI calculation
Venous serum	Urine-C-peptide creatinine ratio	



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u> (cont'd)	In house documented procedures incorporating manufacturers' instructions where relevant using the following instrumentation and methodology:
Venous serum	Non-HDL cholesterol	By calculation CC/SOP/0119
Urine	Albumin/creatinine ratio	
Venous serum	Free lambda/kappa ratio	
Venous serum	Free kappa/lambda ratio	
Venous serum	Schwartz eGFR	Dynex DS2 Automated ELISA system
Venous serum	Adalimumab antibody (total)	CC/SOP/0279
Venous serum	Adalimumab drug levels	CC/SOP/0262
Venous serum	GAD antibody	BS/SOP/0033
Venous serum	IA2 antibody	BS/SOP/0035
Venous serum	Infliximab antibody (total)	CC/SOP/0261
Venous serum	Infliximab drug levels	CC/SOP/0260
Venous serum	Ustekinumab drug levels	CC/SOP/907
Venous serum	Vedolizumab antibody (free)	CC/SOP/903
Venous serum	Vedolizumab drug levels	CC/SOP/0262
Venous serum	Zinc Transporter 8 antibody	BS/SOP/0037
Faeces	Faecal Calprotectin	Mast OC Sensor Pledia Mast OC Pledia Calprotectin SOP v01



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<p>HUMAN BODY FLUIDS AND TISSUES (cont'd)</p> <p>Faeces</p> <p>Venous serum and urine</p> <p>Sweat</p>	<p><u>Biochemistry examination activities for the purpose of clinical diagnosis</u> (cont'd)</p> <p>FIT (faecal immunochemical test)</p> <p>Osmolarity</p> <p>Chloride</p>	<p>In house documented procedures incorporating manufacturers' instructions where relevant using the following instrumentation and methodology:</p> <p>HM-Jack ARC using immunoturbidimetry detection by integrated sphere turbidimetry</p> <p>CC/SOP/0309</p> <p>Osmo 1 Single Sample Micro-osmometer CC/SOP/0025</p> <p>Manual method Chloride meter (Coulometry) CC/SOP/0053</p>



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<p>HUMAN BODY FLUIDS AND TISSUES (cont'd)</p> <p>EDTA whole blood from venous or capillary collection</p> <p>EDTA whole blood from venous or capillary collection</p> <p>EDTA whole blood from venous or capillary collection</p> <p>EDTA whole blood from venous or capillary collection</p> <p>EDTA whole blood from venous or capillary collection</p> <p>EDTA whole blood from venous collection</p> <p>EDTA whole blood from venous collection</p> <p>EDTA whole blood from venous collection</p> <p>EDTA whole blood from venous collection</p> <p>EDTA whole blood from venous collection</p> <p>EDTA whole blood from venous collection</p> <p>EDTA whole blood from venous collection</p> <p>EDTA whole blood from venous collection</p> <p>EDTA whole blood from venous collection</p> <p>Bone marrow</p> <p>EDTA whole blood</p>	<p><u>Haematology examination activities for the purpose of clinical diagnosis</u></p> <p>Full Blood Count including the following parameters:</p> <p>Haemoglobin</p> <p>White cell count</p> <p>Platelet count</p> <p>Red blood cell count</p> <p>Haematocrit</p> <p>MCV</p> <p>MCH</p> <p>RDW</p> <p>Neutrophil count</p> <p>Lymphocyte count</p> <p>Monocyte count</p> <p>Eosinophil count</p> <p>Basophil count</p> <p>RET-He</p> <p>Manual differential</p> <p>Manual differential</p>	<p>In house documented procedures incorporating manufacturers' instructions where relevant using the following instrumentation and methodology:</p> <p>Sysmex XN9100</p> <p>Electrical impedance, laser light scatter & dye bonding</p> <p>HASOPXN9100</p> <p>Stained using RAL stainer HASOP RAL stainer</p> <p>Automated stainer SP-50 HASOPSP-50</p>



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Haematology examination activities for the purpose of clinical diagnosis (cont'd)</u>	In house documented procedures incorporating manufacturers' instructions where relevant using the following instrumentation and methodology:
Urine	Urinary Haemosiderin	Manual staining HASOPS-0014
CSF	Morphology	Shandon Cytospin Manual staining Microscopy HASOPM-0001
Bone marrow	Bone marrow morphology	Manual staining HASOP RAL Stainer
Bone marrow	Iron	Manual staining HASOPS-0008
EDTA whole blood	Components of haemoglobinopathy screen for the detection of haemoglobin variants/thalassaemia (Including antenatal screening programme): HbA2 HbF HbS	Capillary electrophoresis HASOPTHAL
EDTA whole blood	Automated cell count – Haematopoietic Progenitor Cell Count (HPC)	Sysmex based flow cytometric assay HASOPHPC
EDTA whole blood	Detection of HRP2 and pLDH antigens for the identification of Malaria parasites	CareUS test using an immunoassay by laminar flow HASOPM-0032



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EDTA whole blood	Malaria Blood films	Blood Film review using Giesma (thin film) and Field's (thick film) stains HASOPS-0009
EDTA whole blood	Detection of <i>Plasmodium</i> mitochondrial DNA	Loop-mediated amplification using the ILLumiGene assay HASOPO-0012
EDTA whole blood	Blood film for Morphology	Blood smears stained with May-Grunwald and Giemsa stains HASOPSP-50 HASOP RAL Stainer
EDTA whole blood	Erythrocyte Sedimentation Rate (ESR)	Manual method using Becton Dickinson Seditainer Tubes HASOPM-0004
EDTA whole blood	Sickle Cell Solubility (SDX)	SickleDEX test kit using a turbidometric assay HASOPM-0020
EDTA Plasma and serum	Glandular Fever screen	Monogen test using latex agglutination HASOPM-0007
EDTA whole blood from venous or capillary collection	HbA1c (Glycated Haemoglobin)	Sebia Capillarys Tera Capillary electrophoresis HASOPGHB



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Haematology examination activities for the purpose of clinical diagnosis (cont'd)</u>	In house documented procedures incorporating manufacturers' instructions where relevant using the following instrumentation and methodology:
Citrated whole blood	Coagulation screening:	IL TOPS analyser using Turbidimetric assay HASOPC-0024
Citrated whole blood	Routine coagulation screen	
Citrated whole blood	Prothrombin time	
Citrated whole blood	INR	
Citrated whole blood	APTR	
Citrated whole blood	Thrombin Time	Clot detection HASOPC-0018
Citrated whole blood	Liquid Heparin	One stage chromogenic assay HASOPC-0040
Citrated whole blood	Clauss Fibrogen	Clot detection HASOPC-0024
Citrated whole blood	Coagulation Factors 2, 5, 7,8, 9, 10,11 and 12	One stage factor assay HASOPC-0035
Citrated whole blood	Coagulation Factor Inhibitiior Assay	Bethesda Assay HASOPC-0017
Citrated whole blood	Von Willebrand Factor Antigen	Immunoturbidometric assay for vWF Antigen HASOPC-0026
Citrated whole blood	Von Willebrand Factor Activity	Immunoturbidometric assay for vWF Activity HASOPC-0027



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Haematology examination activities for the purpose of clinical diagnosis</u> (cont'd)	In house documented procedures incorporating manufacturers' instructions where relevant using the following instrumentation and methodology:
Citrated whole blood	Thrombophilia screen:	ACL 550 analyser
Citrated whole blood	Lupus Anticoagulant	Direct Russels Viper Venom time HASOPC-0014
Citrated whole blood	Antithrombin	Chromogenic assay HASOPC-0011
Citrated whole blood	Free Protein S	Latex Agglutination HASOPC-0013
Citrated whole blood	Protein C	Chromogenic assay HASOPC-0025
Citrated whole blood	Direct oral anticoagulants: <ul style="list-style-type: none"> • Apixaban • Rivaroxaban 	DOAC assay HASOPC-0048



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Blood Transfusion examination activities for the purpose of clinical diagnosis</u>	In house documented procedures incorporating manufacturers' instructions where relevant using the following instrumentation and methodology:
EDTA whole Blood	Blood grouping (ABO and RhD) and antibody screening	BioRad IH500 analyser using column agglutination technology TRLP0103
EDTA whole Blood	Antibody identification: Detection of antibodies to the following antigen: D, C, c, E, e, Cw, V, K, k, Kpa, Kpb, Fya, Fyb, Jka, Jkb, Lea, Leb, P1, M, N, S, s, Lua, Lub, Xga	Manual technique using BioRad column agglutination technique TRLP0020 BioRad IH500 analyser using column agglutination technology TRLP0056
EDTA whole Blood	Blood grouping (ABO and RhD)	Manual direct agglutination tube technique TRLP0009
EDTA whole Blood	Manual ABO/D for Newborns	Manual techniques using BioRad column agglutination technology TRLP0010
EDTA whole Blood	Direct Antiglobulin Test: detection of IgG, IgA, IgM, C3d, C3c on the surface of red cells	Manual technique using BioRad column agglutination technology Automated method using BioRad IH500 column agglutination TRLP0017
EDTA whole Blood	Red cell antigen phenotyping: detection of antigen types: C, c, E, e, K	Automated method using BioRad IH500 column agglutination TRLP0084



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Blood Transfusion examination activities for the purpose of clinical diagnosis</u> (cont'd)	In house documented procedures incorporating manufacturers' instructions where relevant using the following instrumentation and methodology:
EDTA whole Blood	Detection of A subgroup	A1 test: manual using tube technology TRLP0080
EDTA whole Blood	Feto-maternal haemorrhage	Manual test using Guest Medical acid elution technique TRLP0019
EDTA whole Blood	Weak/Partial D testing	Manual technique using BioRad column agglutination technology TRLP0031
EDTA whole Blood Plasma	Antibody titration	Manual technique using BioRad column agglutination technology Automated method using BioRad IH500 column agglutination TRLP0043
EDTA whole Blood Plasma	Crossmatch- Compatibility testing of patient plasma with donor cells	Manual serological crossmatch using BioRad column agglutinin IAT TRLP0029 Electronic Crossmatch TRLP0098 Manual Neonatal serological Crossmatching using BioRad column agglutination TRLP0041



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<p>HUMAN BODY FLUIDS AND TISSUES (cont'd)</p> <p>Blood</p> <p>Serum</p> <p>Urine</p> <p>Blood, urine</p> <p>Serum</p> <p>Serum</p>	<p><u>Immunology examination activities for the purpose of clinical diagnosis</u></p> <p>Cryoglobulins</p> <p>Protein analysis and monoclonal band quantification: gamma globulins, beta-2 globulins, beta-1 globulins, alpha-2 globulins, alpha-1 globulins albumin</p> <p>Bence-Jones protein</p> <p>Paraprotein typing: IgG, IgM, IgA, IgD, IgE, kappa, lambda</p> <p>Anti-nuclear antibodies screen</p> <p>Smooth muscle antibodies Mitochondrial antibodies Liver and kidney microsomal antibodies</p>	<p>In house documented procedures incorporating manufacturers' instructions where relevant using the following instrumentation and methodology:</p> <p>Manual methodology HASOPP-0005</p> <p>Sebia Capillarys 2 using capillary zone electrophoresis HASOPP-0008</p> <p>Sebia Hydrasys 2 using agarose gel electrophoresis HASOPP-0007 HASOPP-0009</p> <p>Sebia Hydrasys 2 using agarose gel electrophoresis immunofixation HASOPP-0007</p> <p>IL Quantalyser 2 using immunofluorescence</p> <p>Hep2 method IMSOP121, IMSOP127, IMSOP168, IMSOP169</p> <p>LKS method</p>



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Immunology examination activities for the purpose of clinical diagnosis (cont'd)</u>	In house documented procedures incorporating manufacturers' instructions where relevant using the following instrumentation and methodology:
Serum	IgG antibodies against the GBM (glomerular basement membrane) antigen	Phadia 250 ELISA IMSOP133, IMSOP170
Serum	IgG antibodies against MPO (myeloperoxidase) antigen	IMSOP135, IMSOP170
Serum	IgG class autoantibodies directed against PR3 (proteinase 3) antigen	IMSOP136, IMSOP170
Serum	Autoimmune test – Beta 2 glycoprotein 1 (B2GP-1); components for IgM and IgG	IMSOP142, IMSOP170
Serum	ENA screen and ENA profile	MSOP171
Serum	Tissue Transglutaminase	IMSOP142
Serum	Cardiolipins; components for IgG and IgM	IMSOP129, IMSOP170
Serum	IgG antibodies directed Double stranded DNA (dsDNA)	IMSOP130, IMSOP170
Serum	TSH Receptor Antibodies	IMSOP176
Serum	Intrinsic Factor Antibodies	IMSOP173
Serum	IgG antibodies directed to M2	IMSOP170
Serum	Specific IgE to: Almond Aspergillus fumigatus Blue Mussel Brazil nut Cashew nut Cat epithelium and dander	IMSOP166, IMSOP170



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<p>HUMAN BODY FLUIDS AND TISSUES (cont'd)</p> <p>Serum</p>	<p><u>Immunology examination activities for the purpose of clinical diagnosis</u> (cont'd)</p> <p>Specific IgE to:</p> <p>Cheddar cheese Coconut Common wasp Dog dander Egg white Egg yolk</p> <p>Feather mix:</p> <ul style="list-style-type: none"> • Goose • Chicken • Duck • Turkey • Fish (cod) • Gluten <p>Grass pollen mix:</p> <ul style="list-style-type: none"> • Cocksfoot • Meadow fescue • Rye • Timothy • Meadow <p>Hazel nut Honey bee Horse dander House dust mite Kiwi Latex Macadamia nut Milk</p> <p>Mould mix:</p> <ul style="list-style-type: none"> • Penicillium chrysogenum • Clodosporium herbarum • Aspergillus fumigatus • Alternaris alternata 	<p>In house documented procedures incorporating manufacturers' instructions where relevant using the following instrumentation and methodology:</p> <p>Phadia 250 ELISA</p> <p>IMSOP166, IMSOP170</p>



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<p>HUMAN BODY FLUIDS AND TISSUES (cont'd)</p> <p>Serum (cont'd)</p>	<p><u>Immunology examination activities for the purpose of clinical diagnosis</u> (cont'd)</p> <p>Specific IgE to: (cont'd)</p> <p>Peanut Pecan nut Pine nut pignols Pistashio nut Rabbit epithelium Sesame seed Shrimp Soya bean Strawberry</p> <p>Specific IgE to:</p> <p>Tomato</p> <p>Tree pollen mix:</p> <ul style="list-style-type: none"> • Box elder • Silver birch • Oak • Elm • Walnut <p>Walnut</p> <p>Weed pollen mix:</p> <ul style="list-style-type: none"> • Ambrosia artemisiifolia • Artemisia vulgaris • Plantago lanceolata • Chenopidium album <p>Wheat</p>	<p>In house documented procedures incorporating manufacturers' instructions where relevant using the following instrumentation and methodology:</p> <p>Phadia 250 ELISA</p> <p>IMSOP166, IMSOP170</p>
<p>END</p>		