

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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



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ISO 15189:2022

University Hospitals Dorset NHS Foundation Trust

Issue No: 012 Issue date: 18 September 2026

Blood Sciences Department
Dorset Pathology Hub
Royal Bournemouth Hospital
Castle Lane East
Bournemouth
BH7 7DW

Contact: Nathan Bourne
Tel: +44 (0) 300 019 4879
E-Mail: nathan.bourne@nhs.net
Website: www.uhd.nhs.uk

Testing performed by the Organisation at the locations specified below

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Activity	Location code
Blood Sciences Dorset Pathology Hub The Royal Bournemouth Hospital Castle Lane East Bournemouth BH7 7DW Local contacts: Stacey Reichter Tel: +44 (0) 300 019 4798 E-Mail: stacey.reichter1@nhs.net Helen Slade Tel: +44 (0) 300 019 4798 Email: helen.slade3@nhs.net Neil McIver- Brown Tel: +44 (0) 300 019 4805 E-Mail: neil.mciver-brown@nhs.net Leah Hughes Tel: +44(0) 300 019 4851 E-Mail: leah.hughes14@nhs.net Leah Hughes Tel: +44 (0) 300 019 4802 E-Mail: leah.hughes14@nhs.net	Haematology Blood Transfusion Flow Cytometry Immunology Automated biochemistry Manual biochemistry	RBH
Blood Sciences Poole Hospital Longfleet Road Poole BH15 2JB Local Contacts: Stacey Reichter Tel: +44 (0) 300 019 4798 E-Mail: Stacey.Reichter1@nhs.net Helen Slade Tel: +44 (0) 300 019 4798 Email: helen.slade3@nhs.net Leah Hughes Tel: +44 (0) 300 019 2497 E-Mail: leah.hughes14@nhs.net	Haematology Blood transfusion Automated biochemistry Manual biochemistry	PH



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Site activities performed away from the locations listed above:

Location details	Activity
Main Theatre The Royal Bournemouth Hospital Castle Lane East Bournemouth BH7 7DW	No testing occurs on this site, blood storage only
Issue Fridge Room The Royal Bournemouth Hospital Castle Lane East Bournemouth BH7 7DW	No testing occurs on this site, blood storage only
St Mary's Maternity Hospital (Poole Hospital) St Mary's Road Poole BH15 2JB	Blood storage & issue Fridge managed by Haematology
TIU Poole Hospital BH15 2JB	Blood storage & issue only Fridge managed by Haematology



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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN TISSUE AND FLUIDS	<u>Haematology examinations for the purposes of clinical diagnosis</u>	Following in-house documented procedures and manufacturer's equipment instructions where relevant	
Blood (EDTA)	Full blood counts and automated differential: Haemoglobin (Hb) White Blood Cell Count (WBC) Red Blood Count (RBC) Platelet Count Mean Cell Volume (MCV) Mean Cell Haemoglobin (MCH) Mean Cell Haemoglobin Concentration (MCHC) Neutrophils Lymphocytes Monocytes Eosinophils Basophils Reticulocytes	Beckman Coulter DxH900 analyser Using electrical impedance, photometry, laser light, flow cytometry U-HAE-P-49 U-HAE-P45	RBH
Blood (EDTA)	Erythrocyte Sedimentation Rate (ESR)	Starrsed RS Westergren method U-HAE-P60	RBH
Bone marrow	Examination of bone marrow films: in order to identify or exclude Morphological and Cytological abnormalities for the purpose of diagnosis	Manual slide preparation & interpretation. Staining using the Aerospray & manual staining (Romanovsky & Perls stain) U-HAE-P-5 U-HAE-P-43	RBH
Blood	Blood Film: Detection of normal and abnormal morphologies and white blood cell differential	Manual slide preparation and interpretation. Automated slide preparation & staining using the DxH SMS 11. Staining using the Aerospray & manual staining (Romanovsky & Perls stain) U-HAE-P-45 U-HAE-P-46 U-HAE-P-70 U-HAE-P-53	



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HUMAN TISSUE AND FLUIDS (cont'd)	<u>Haematology examinations for the purposes of clinical diagnosis (cont'd)</u>	Following in-house documented procedures and manufacturer's equipment instructions where relevant	
Blood (EDTA)	Rapid diagnostic test for detection of Malarial antigens of: <i>P. falciparum</i> and /or Pan-detection for <i>P. malariae</i> , <i>P. ovale</i> & <i>P. vivax</i>	Manual method using CareUS RDT HRP2/pLDH U-HAE-P-68	RBH
Blood (EDTA)	Demonstration of Malaria Parasites	Microscopy & cytochemistry (Thick and thin films stained by Fields stain and Giemsa) U-HAE-P-68	RBH
Blood (EDTA)	Glandular fever by detection of IM IgM heterophile antibodies	Biokit Monogen IM (Infectious Mononucleosis) test using one step rapid latex particle agglutination test U-HAE-P-64	RBH
Plasma	Thromboelastograph Measurement of clot viscoelasticity	Haemascop TEG5000 analyser Thromboelastography B-HAE-P-55	RBH
Plasma	Platelet aggregometry	Platelet aggregation by light transmission aggregometry SD Medical Thrombo Aggregometer U-HAE-P-94	RBH
Plasma	Coagulation screen: Prothrombin time INR Activated partial thromboplastin time and ratio Clauss fibrinogen D-Dimer Thrombin time Direct oral anticoagulant assays (DOAC)	Stago StarMax 3 using SOP B-HAE-P-69 U-HAE-D-32 U-HAE-P-89 U-HAE-P-40 U-HAE-P-42	RBH
Plasma	Factors II, V, VII, VIII, IX, X, XI, XII, XIII and Bethesda Assay for Factor inhibitors	Stago StarMax 3 U-HAE-P-81 U-HAE-P-89 U-HAE-P-47 B-HAE-P-74 (FXIII) U-HAE-P-87 (VIII IX INHIB) B-HAE-P-77 (Chromo VIII)	RBH



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HUMAN TISSUE AND FLUIDS (cont'd)	<u>Haematology examinations for the purposes of clinical diagnosis</u> (cont'd)	Following in-house documented procedures and manufacturer's equipment instructions where relevant Stago StarMax 3	
Plasma	Anti Thrombin (Functional)	U-HAE-P-81	RBH
Plasma	Protein C Activity	U-HAE-P-81	RBH
Plasma	Free Protein S	U-HAE-P-81	RBH
Plasma	Lupus test – DRVVT and Silica Clotting Time	U-HAE-P-81 U-HAE-P-90	RBH
Plasma	Activated Protein C Resistance (APCr)	U-HAE-P-81	RBH
Plasma	Von Willebrand antigen, activity	U-HAE-P-81 /34 /35	RBH
	Von Willebrand Ristocetin Co Factor activity	U-HAE-P-35	
Plasma	Emicizumab	B-HAE-P-75	RBH
Plasma	Thrombocytopenia screen – detection of antibodies to platelet factor 4 and heparin	Stago STic Expert Lateral Flow B-HAE-P-71	RBH
Whole Blood citrate	Platelet Function Analysis	PFA-200 analyser Platelet activation / adherence U-HAE-P-55	RBH



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HUMAN TISSUE AND FLUIDS (cont'd)	<u>Haematology examinations for the purposes of clinical diagnosis (cont'd)</u>		
Whole blood (EDTA)	Measurement of HbA1c	TOSOH G11 HPLC Affinion (Borate Affinity) U-HAE-P-52, U-HAE-P-3 Documented in-house methods to meet the requirements as defined in the current version of 'Sickle Cell and Thalassemia pregnancy screening: laboratory QA evidence requirements	RBH
Whole Blood (EDTA)	Adult Haemoglobinopathy screening by detection of haemoglobin variants • HbA • HbA2 • HbF • HbS • HbC • HbD • HbE Including analysis of variant Haemoglobins to characterise the variant or type of thalassaemia present	TOSOH G11 HPLC U-HAE-P-16	RBH
Whole blood (EDTA)	2 nd line Haemoglobinopathy analysis Identification and confirmation of haemoglobin variants • HbA • HbA2 • HbF • HbS • HbC • HbD • HbE	Sebia Hydragel (alkaline and acid) using Hydrasys 2 Scan_ Hb electrophoresis U-HAE-P-17 U-HAE-P-18	RBH
Whole blood (EDTA)	Sickle cell solubility HbS	Oxidative reduction assay using the Sickledex kit. U-HAE-P-1	RBH
Whole blood (EDTA)	Screening test for Glucose 6 phosphate dehydrogenase deficiency (G6PD)	Commercial (Trinity Biotech) kit, functional enzyme colorimetric assay U-HAE-P-21	RBH



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HUMAN TISSUE AND FLUIDS (cont'd)	<u>Blood transfusion examinations</u>	Documented in-house procedures based on manufacturer's instructions	RBH
Whole blood (EDTA)	Blood group by detection and identification of antigens – A B O and AB groups Rh groups: Rh D Positive, Rh D Negative	Automated method using Bio-Rad IH-500 analyser and Diamed gel cards from Bio-Rad B-TRA-P-28 B-TRA-P-39 B-TRA-P-30 B-TRA-P-31 B-TRA-P-148 B-TRA-P-46	RBH
Whole blood (EDTA)	Blood group by detection and identification of antigens – A B O and AB groups Rh groups: Rh D Positive, Rh D Negative	Manual methods using tube method SOP B-TRA-P-37	RBH
Whole blood (EDTA)	Antibody screening Detection of antibodies to the following antigens: C ^w , C, c, D, E, e K, k, Kp ^a , Kp ^b Jk ^a , Jk ^b Fy ^a , Fy ^b Lu ^a , Lu ^b M, N, S, s Le ^a , Le ^b P1	Automated method using Bio-Rad IH-500 analyser and Diamed gel cards from Bio-Rad B-TRA-P-148 B-TRA-P-28 B-TRA-P-29 B-TRA-P-31	RBH
Whole blood (EDTA)	Antibody identification using cells containing the following antigens: C ^w , C, c, D, E, e K, k, Kp ^a , Kp ^b Jk ^a , Jk ^b Fy ^a , Fy ^b Lu ^a , Lu ^b M, N, S, s Le ^a , Le ^b P1	Automated method using Bio-Rad IH-500 analyser and Diamed gel cards from Bio-Rad B-TRA-P-9	RBH



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HUMAN TISSUE AND FLUIDS (cont'd)	<u>Blood transfusion examinations</u> (cont'd)	Documented in-house procedures based on manufacturer's instructions	
Whole blood (EDTA)	Antibody identification using cells containing the following antigens: C ^w , C, c, D, E, e K, k, Kp ^a , Kp ^b Jk ^a , Jk ^b Fy ^a , Fy ^b Lu ^a , Lu ^b M, N, S, s Le ^a , Le ^b P1	Manual methods using Diamed gel cards from Bio-Rad BTRA-P-148 B-TRA-P-28 B-TRA-P-29 B-TRA-P-31	RBH
Whole blood (EDTA)	Serological compatibility testing between donor red cell antigens and patient plasma including manual group and antibody screen and blood selection	B-TRA-P-3 B-TRA-P-4 B-TRA-111 B-TRA-132 B-TRA-37	RBH
Whole blood (EDTA)	Direct Antiglobulin Test (DAT)	Automated method using Bio-Rad IH-500 analyser and Diamed gel cards from Bio-Rad B-TRA-38	RBH
Whole blood (EDTA)	Direct Antiglobulin Test (DAT)	Manual methods using Diamed gel cards from Bio-Rad B-TRA-38	RBH
Whole blood (EDTA)	Red cell phenotyping for the following antigens: C, c, D, E, e K, Jk ^a , Jk ^b Fy ^a , Fy ^b M, N, S, s A ₁	Manual methods using Diamed gel cards from Bio-Rad B-TRA-P-52 U-TRA-P-2 B-TRA-P-50	RBH
Whole blood (EDTA)	Feto-Maternal Haemorrhage Estimation (FMH)	Manual Kleihauer using Guest Medical kit SOP B-TRA-P-41	RBH



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HUMAN TISSUE AND FLUIDS (cont'd)	<u>Blood transfusion examinations</u> (cont'd)	Documented in-house procedures based on manufacturer's instructions	
Whole blood (EDTA)	Cord blood group determination	Manual methods using Diamed gel cards from Bio-Rad B-TRA-P-46	RBH
Whole blood (EDTA)	Cord blood group determination	Automated process using Biorad IH1500 analyser and Diamed gel cards from Bio-Rad B-TRA-P-46 B-TRA-P-38	RBH
	<u>Molecular testing for the purpose of clinical diagnosis</u>	Following in-house documented procedures and manufacturer's equipment instructions where relevant	
Blood/serum	Mutation detection for Factor V Leiden and Prothrombin Variant	Cepheid GeneXpert DNA Extraction, amplification and detection in one cartridge B-HAE-M-H00023	RBH



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HUMAN TISSUE AND FLUIDS (cont'd)	<u>Immunophenotyping examinations for the purposes of clinical diagnosis</u>	Using manufacturers instructions for Becton Dickinson, FACSDuet & FACSLytic 3 laser flow cytometer and in house procedures	
Blood, bone marrow, CSF, pleural fluid, Fine Needle Aspirates, lymphoid tissues (e.g. Lymph node/spleen) or other tissues or fluids.	Leukaemia and Lymphoma Immunophenotyping using the following markers for the purpose of Haematological Diagnosis and monitoring: CD2, CD3, CD4, CD5, CD7, CD8, CD10, CD11b, CD11c, CD13, CD14, CD15, CD16, CD19, CD20, CD22, CD23, CD25, CD26, CD27, CD30, CD33, CD34, CD36, CD38, CD43, CD45, CD49d, CD52, CD56, CD57, CD64, CD71, CD79b, CD81, CD85k, CD103, CD117, CD123, CD138, CD163, CD200, CD235a, CD300e, Kappa, Lambda, TCRαβ, TCRγδ, HLA-DR, FMC7, TDT, MPO, NG2, IGG	Multicolour Flow Cytometry using relevant panels acquired and analysed using BD Flow Cytometer (FACSLytic and FACSuite software as per U-MOL-D-19 U-MOL-P-18	RBH
EDTA Blood	CD34 viable absolute count enumeration CD34, CD45, 7-AAD, BD Trucount	BD Flow Cytometer (FACSLytic) and FACSuite Clinical software as per U-MOL-P-20	RBH
EDTA Blood	CD4 Immune monitoring/absolute count enumeration (CD3, CD4, CD8, CD45, BD Trucount).	BD Flow Cytometer (FACSLytic) and FACSuite Clinical software Sample preparation by BD FACSDuet as per U-MOL-P-7	RBH



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS	<u>Blood Transfusion examinations to assist in clinical investigations</u>	Manufacturer's instructions and documented In-house methods:	
Whole blood (EDTA)	Blood group detection and identification of antigens: <i>A Rh D Positive</i> <i>AB Rh D Positive</i> <i>B Rh D Positive</i> <i>O Rh D Positive</i> <i>A Rh Negative</i> <i>AB Rh D Negative</i> <i>B RhD Negative</i> <i>O Rh D Negative</i> <i>Including the presence of A2 antigens</i>	Automated using BioRad IH-500 and manual detection using BioRad Diamed gel cards P-TRA-P-SOP0003 P-TRA-P-SOP0004 P-TRA-P-SOP0005	PH
Whole blood (EDTA)	Antibody Screen and identification by detection of antibodies to: <i>Rh – C,D,E,c,e,Cw,</i> <i>Kell –K, Kpa,</i> <i>Duffy – Fya, Fyb,</i> <i>MNSs- M, N, S, s,</i> <i>Kidd – JKa, Jkb,</i> <i>Lewis – Lea , Leb,</i> <i>Lutheran –Lua</i>	Automated using BioRad IH-500 and manual detection using BioRad Diamed gel cards P-TRA-P-SOP0003 P-TRA-P-SOP0004 P-TRA-P-SOP0005	PH
Whole blood (EDTA)	Direct anti-globulin test (DAT)	Automated using BioRad IH-500, Manual using BioRad Diamed gel cards BS-SOP-888 Rh/K Phenotyping and DAT	PH
Whole blood (EDTA)	Antigen phenotyping <i>Rh – C,D,E,c,e,Cw</i> <i>Kell – Kpa</i> <i>Duffy – Fya, Fyb</i> <i>MNSs- M, N, S, s</i> <i>Kidd – JKa, Jkb</i> <i>Lewis – Lea , Leb</i> <i>Lutheran –Lua in</i>	Automated using BioRad IH-500, Manual using BioRad Diamed gel cards BS-SOP-888 Rh/K Phenotyping and DAT	PH
Whole blood (EDTA)	Serological Crossmatch	Automated using BioRad IH-500 / Manual using BioRad Diamed gel card SOP BS-SOP-190	PH



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HUMAN BODY FLUIDS (cont'd)	<u>Blood Transfusion examinations to assist in clinical investigations (cont'd)</u>	Manufacturer's instructions and documented In-house methods:	
Whole blood (EDTA)	Kleihauer test for estimation of feto-maternal haemorrhage	Guest Medical kit (Acid elution) BS-SOP-509	PH
	<u>Coagulation examination activities for the purpose of clinical diagnosis</u>	Manufacturer's instructions and documented In-house methods: Stago STA Max P-HAE-F-DOC0055	PH
Plasma (Sodium Citrate)	Coagulation Screen: Prothrombin INR time Activated partial thromboplastin time and Ratio Clauss Fibrinogen D-Dimer Thrombin time Direct oral anticoagulant assays Factors II,VII,VII,VIII(Ag), Factor IX,X,XI,XII,XIII and for factor inhibitors Anti Thrombin (functional) Protein C Activity Protein S Activity Free Protein S Functional Protein S Lupus test – DRVVT KCT and Silica Clotting Time Activated Protein C Resistance (APCr)	P-HAE-F-DOC0055	PH



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HUMAN BODY FLUIDS (cont'd)	<u>Coagulation examination activities for the purpose of clinical diagnosis (cont'd)</u>	Manufacturer's instructions and documented In-house methods:	
Plasma (Sodium Citrate)	Von Willebrand antigen, activity	Stago STA Max P-HAE-F-DOC0055	PH
Plasma (Sodium Citrate)	Von Willebrand Ristocetin Cofactor Activity	Stago STA Max P-HAE-F-DOC0055	
	<u>Haematology examination activities for the purpose of clinical diagnosis</u>	Manufacturer's instructions and documented In-house methods using:	
Whole blood (EDTA)	Full blood count: Haemoglobin Platelets Red Blood Cells Haematocrit MCV MCH MCHC White Cell Differential Neutrophils Lymphocytes Monocytes Eosinophils Basophils	Beckman DxH900 using electrical impedance, photometry, laser light, flow cytometry U-HAE-P-49 U-HAE-P-45	PH
Whole blood (EDTA)	Reticulocytes	Beckman DxH900 U-HAE-P-49 U-HAE-P-45	PH
Whole blood (EDTA)	Erythrocyte Sedimentation Rate (ESR)	Starrsed RS Westergren method U-HAE-P-60	PH



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HUMAN BODY FLUIDS (cont'd)	<u>Haematology examination activities for the purpose of clinical diagnosis</u> (cont'd)	Manufacturer's instructions and documented In-house methods:	
Whole blood (EDTA)	Blood film: Detection of normal and abnormal morphologies and white blood cell differential	Beckman slide stainer DxH SMS II / Aerospray Haematology Pro Slide Stainer U-HAE-P-45 U-HAE-P-46 U-HAE-P-70 U-HAE-P-53	PH
Whole blood, Plasma (citrate or EDTA), Serum.	Detection of infectious mononucleosis heterophile antibodies (Glandular fever screen)	Monogen IM latex immunoassay kit U-HAE-P-64	PH
Blood Bone marrow Urine	Iron deposits	Light microscopy following Perl's Prussian Blue iron staining U-HAE-P-23	PH
Whole Blood (EDTA)	Malaria screening by detection of antigens for: <i>Plasmodium falciparum</i> and pan-detection for: <i>Plasmodium malariae</i> <i>Plasmodium ovale</i> <i>Plasmodium vivax</i>	CareStart Rapydtest immunochromatographic kit U-HAE-P-68	PH
Whole Blood (EDTA)	Detection and speciation of malarial parasites: <i>Plasmodium falciparum Plasmodium malariae</i> <i>Plasmodium ovale</i> <i>Plasmodium vivax</i> <i>Plasmodium knowlesi</i>	Preparation of thick and thin films Fields stain (ProLab) and manual microscopy U-HAE-P-68	PH
Urine	Qualitative detection of <i>bHCG</i>	Alere hCG cassette kit Immunochromatographic principle U-HAE-P-61	PH



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HUMAN BODY FLUIDS	<u>Immunology examination activities for the purposes of clinical diagnosis</u>	In house documented methods incorporating manufacturers' instructions where relevant	
Serum	Detection of:	ThermoFisher ImmunoCap 250 analyser (fluorescence solid phase immunoassay) with specific reference to:	RBH
	Avian IgG antibodies (precipitins): pigeon serum proteins, budgerigar mix		
	Aspergillus fumigatus IgG antibodies (precipitins)	U-IMM-P-2 U-IMM-P-11 U-IMM-P-12 U-IMM-P-14	RBH
	Candida albicans IgG antibody (precipitins)		RBH
	Glomerular basement membrane antibodies (GBM)		RBH
	Myeloperoxidase antibodies (MPO)		RBH
	Proteinase 3 antibodies (PR3)		RBH
	CCP antibodies		RBH
	dsDNA antibodies		RBH
	M2 antibodies		RBH
	ENA screen: ENAs and anti-centromere antibodies	U-IMM-P-11	RBH
	ENAs: Ro, La, Scl-70, RNP, Sm, Jo		RBH
	Anti-Cardiolipin IgG and IgM antibodies		RBH
	IgA and IgG TTG Anti-Tissue Transglutaminase		RBH
	Beta-2 Glycoprotein IgG		RBH
	TPO Thyroid peroxidase		RBH



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HUMAN BODY FLUIDS (cont'd)	<u>Immunology examination activities for the purposes of clinical diagnosis (cont'd)</u>	In house documented methods incorporating manufacturers' instructions where relevant	
Serum	Thyroid stimulating hormone receptor (TSHR) antibodies	ThermoFisher ImmunoCap 250 analyser (fluorescence solid phase immunoassay) with specific reference to:	RBH
Serum	Anti-nuclear antibodies ANA	As above using Elia CTD screen	RBH
Serum	Intrinsic factor (IFAB)		RBH
Serum	Total IgE		RBH
Serum	Mast cell Tryptase	U-IMM-P-12	RBH



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HUMAN BODY FLUIDS (cont'd)	<u>Immunology examination activities for the purposes of clinical diagnosis (cont'd)</u>	In house documented methods incorporating manufacturers' instructions where relevant	
Serum	Detection and quantification of Specific IgE to the following allergens: (C1) Penicilloyl C (C2) Penicilloyl V (C5) Ampicilloyl (C6) Amoxicilloyl (C8) Chlorhexidine (D1) House Dust Mite (E1) Cat Dander (E3) Horse Dander (E5) Dog Dander (E6) Guinea Pig Epithelia (E82) Rabbit Epithelium (E84) Hamster Epithelium (EX72) Mixed cage birds (e78, e201, e196, e213, e214) (F1) Egg White (F10) Sesame Seed (F11) Buckwheat (F12) Pea (F13) Peanut (F14) Soya bean (F15) White bean (F17) Hazel nut (F18) Brazil Nut (F2) Milk (F20) Almond (F201) Pecan (F202) Cashew (F203) PISTACHIO (F206) Mackerel (F208) Lemon (F210) Pineapple (F212) Mushroom (F226) Pumpkin Seed (F23) Crab (F233) nGal d1 Ovomucoid (F235) Lentil (F24) Shrimp (F242) Cherry	ThermoFisher ImmunoCap 250 analyser (fluorescence solid phase immunoassay) with specific reference to: U-IMM-P-12	RBH



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HUMAN BODY FLUIDS (cont'd)	<u>Immunology examination activities for the purposes of clinical diagnosis</u> (cont'd)	In house documented methods incorporating manufacturers' instructions where relevant	
Serum (cont'd)	Detection and quantification of Specific IgE to the following allergens: (cont'd) (F245) Egg Whole (F25) Tomato (F253) Pine nut (F256) Walnut (F26) Pork (F27) Beef (F279) Chillipepper (F3) Cod Fish (F309) Chick pea (F31) carrot (F316) Rape seed (F33) Orange (F345) Macademia nut (F35) Potato (F352) rAra h8 Peanut (F36) Coconut (F37) Blue Mussel (F4) Wheat (F40) Tuna (F41) Salmon (F416) Omega-5 Gliadin (F420) rPru P3 LTP Peach (F422) rAra h1 Peanut (F423) rAra h2 Peanut (F425) Cor a8 Hazelnut (F428) rCor a1 PR hazelnut (F44) Strawberry (F45) Yeast (F47) Garlic RAST (F48) Onion RAST (F49) Apple (F5) Rye (F6) Barley (F7) Oat (F75) Egg Yolk (F78) D8 Casein, milk (F79) Gluten (F8) Maize (Corn)	ThermoFisher ImmunoCap 250 analyser (fluorescence solid phase immunoassay) with specific reference to: U-IMM-P-12	RBH



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HUMAN BODY FLUIDS (cont'd)	<u>Immunology examination activities for the purposes of clinical diagnosis</u> (cont'd)	In house documented methods incorporating manufacturers' instructions where relevant	
Serum (cont'd)	Detection and quantification of Specific IgE to the following allergens: (cont'd) (F80) Lobster (F81) Cheddar Cheese (F83) Chicken (F84) Kiwi (F85) Celery (F87) Melon (F9) Rice (F91) Mango (F92) Banana (F93) Chocolate (F94) Pear (F95) Peach (F96) Avocado (FX1) Nut Panel (FX2) Fish Panel (FX3) Cereal Panel (FX5E) General Food Panel (G6) Timothy Grass (I1) Honey Bee (I3) Wasp (Yellow Jacket) (IGE) Specific IgE (K82) Latex (M1) Penicillium notatum (M2M) Cladosporium herb (M3) Aspergillus (M5) Candida (M6) Alternaria (M8) Helminthosporium (MX2) Mixed Mould Panel (m1,m2,m3,m5,m6,m8) (PHAD) Airborne Allergens (d1,e1,e5,g6,t13) (RFX17) Mixed Fruit Panel (f49,f92,f94,f95) (T206) Chestnut (T213) Pine pollen (T3) Silver Birch	ThermoFisher ImmunoCap 250 analyser (fluorescence solid phase immunoassay) with specific reference to: U-IMM-P-12	RBH



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HUMAN BODY FLUIDS (cont'd)	<u>Immunology examination activities for the purposes of clinical diagnosis (cont'd)</u>	In house documented methods incorporating manufacturers' instructions where relevant	
Serum, plasma	Detection of ACHR acetylcholine receptor antibody	ThermoFisher Multiscan PC Spectrophotometer/ELISA reader RSR Ltd kit ACHR ELISA SOP [U-IMM-P-10]	RBH RBH
Slides prepared from Serum	Detection of: Anti-centromere antibody/ ANA on hep-2 (Aesku) Endomysial antibodies (Inova) Liver autoimmune profile (LKS) antibodies (ANA, GPC, AMA, SMA, LKM) (Aesku)	Automated indirect immunofluorescence Helios [U-IMM-P-8] Manual indirect immunofluorescence (back up method) [U-IMM-P-7] Olympus CX31 Fluorescence Microscope	RBH RBH
Slides prepared from Serum Blister fluid	Skin antibodies (basement membrane and desmosome) (Inova)	Manual indirect immunofluorescence [U-IMM-P-7] Olympus CX 43 with CellSens software Olympus CX31 Fluorescence Microscope (backup)	RBH
Slides prepared from serum	ACHR/MuSK	Indirect immunofluorescence using IFA Mosaic Kit Euroimmun [U-IMM-P-17]	RBH
Faeces	Detection of Faecal Calprotectin	OC-Sensor Pledia (latex agglutination immunoturbidimetry) [U-BIO-P-268]	RBH



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HUMAN BODY FLUIDS Serum / plasma (unless otherwise specified)	<u>Biochemistry examinations for the purposes of clinical diagnosis</u>	Manufacturer's instructions for the Roche analysers and in house documented methods	
	Therapeutic monitoring of	Roche Cobas 8000 analyser using Roche 702/801 homogeneous enzyme immunoassay system U-BIO-P-117, U-BIO-P-118, U-BIO-P-120, U-BIO-P-121, U-BIO-P-141	
	Gentamicin Carbamazepine Phenytoin Theophylline Valproic Acid Vancomycin		PH/RBH PH PH PH PH PH/RBH
	Lithium	Roche Cobas 8000 analyser using Roche 702 Colorimetric method U-BIO-P-115	PH/RBH
	Paracetamol Salicylate	Roche Cobas 8000 analyser using Roche 702/801 Enzymatic, colorimetric method U-BIO-P-116, U-BIO-P-119	PH/ RBH
Serum and urine	Chloride Sodium Potassium	Roche Cobas 8000 analyser using an electrical potential (electromotive force, EMF) for the measurements of ions in solution U-BIO-P-126	PH/RBH
	Aspartate aminotransferase (AST) Creatine kinase (CK) Lactate dehydrogenase (LDH)	Roche Cobas 8000 analyser using Roche 702 Heart Enzymes measurement of the rate of the NADH oxidation U-BIO-P-166, U-BIO-P-113, U-BIO-P-130	PH/RBH



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examinations for the purposes of clinical diagnosis (cont'd)</u>	Manufacturer's instructions for the Roche analysers and in house documented methods	
Serum / plasma (unless otherwise specified)	Unsaturated iron-binding capacity (UIBC) % transferrin saturation (calculated) TIBC (calculated) Serum iron	Roche Cobas 8000 analyser using Roche 702 measurement of a coloured complex produced by Fe2+ reacting with FerroZine. U-BIO-P-114, U-BIO-P-220	PH/RBH
	Alpha 1 antitrypsin β2-microglobulin Caeruloplasmin Haptoglobin Immunoglobulin A Immunoglobulin G Immunoglobulin M	Roche Cobas 8000 analyser using Roche 702 Immunoturbidimetric assay U-BIO-P-92, U-BIO-P-94, U-BIO-P-96, U-BIO-P-101, U-BIO-P-102, 103, 104	PH
	Total protein	Roche Cobas 8000 analyser using Roche 702 Colorimetric method U-BIO-P-92	PH/RBH
	Immunoglobulin A Immunoglobulin G Immunoglobulin M	Roche Cobas 8000 analyser using Roche 501 Immunoturbidimetric assay U-BIO-P-92, U-BIO-P-102, U-BIO-P-103, U-BIO-P-104	RBH
	Alanine aminotransferase Albumin Alkaline phosphatase Bilirubin	Roche Cobas 8000 analyser using Roche 702 Colorimetric Liver function assays U-BIO-P-165, U-BIO-P-165, U-BIO-P-91, U-BIO-P-98	PH/RBH
	Conjugated Bilirubin γ-glutamyl transferase	U-BIO-P-109	PH
	Cholesterol HDL Cholesterol Triglycerides LDL	Roche Cobas 8000 analyser using Roche 702/801 Enzymatic, colorimetric method U-BIO-P-99, U-BIO-P-142, U-BIO-P-107	PH/RBH



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examinations for the purposes of clinical diagnosis (cont'd)</u>	Manufacturer's instructions for the Roche analysers and in house documented methods	
Serum / plasma (unless otherwise specified)	Amylase Calcium C-reactive protein Protein Glucose Magnesium Urea Phosphate Creatinine	Roche Cobas 8000 analyser using Roche 702/801; General Chemistries Enzymatic, colorimetric method U-BIO-P-123, U-BIO-P-124, U-BIO-P-151, U-BIO-P-127, U-BIO-P-131, U-BIO-P-135, U-BIO-P-132, U-BIO-P-125, U-BIO-P-167	PH/RBH
Urine	Protein Urea Creatinine Microalbumin	Roche Cobas 8000 analyser using Roche 702/801; General Chemistries, Enzymatic, colorimetric method U-BIO-P-123 (U-BIO-P-133) (U-BIO-P-135) (U-BIO-P-125) (U-BIO-P-106)	RBH
Urine	Amylase Calcium Glucose Protein Magnesium Urea Phosphate Creatinine Microalbumin	Roche Cobas 8000 analyser using Roche 702/801; General Chemistries Enzymatic, colorimetric method BS-SOP-114, U-BIO-P-124, U-BIO-P-108, U-BIO-P-131 U-BIO-P-127, U-BIO-P-135, U-BIO-P-132, U-BIO-P-125, U-BIO-P-106	PH
Serum	Urate	Roche Cobas 8000 analyser using Roche 702/801 Urate Assays; Enzymatic, colorimetric method U-BIO-P-134	PH/RBH
Urine	Urate		PH
	Ammonia	Roche Cobas 8000 analyser using Roche 702/801 Miscellaneous Assays; Enzymatic method, with glutamate dehydrogenase, U-BIO-P-93	PH/RBH



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examinations for the purposes of clinical diagnosis (cont'd)</u>	Manufacturer's instructions for the Roche analysers and in house documented methods	
Serum / plasma (unless otherwise specified)	Bicarbonate	Reaction with phosphoenolpyruvate (PEP) in the presence of PEPC U-BIO-P-95	PH/RBH
	Lactate	Colorimetric assay U-P-BIO-105	PH/RBH
	Bile Acids	Conversion of bile acids to 3-keto steroids and NADH U-P-BIO-168	PH/RBH
		Roche Cobas 8000 analyser using Roche 702/801 CSF Assays;	PH
CSF CSF CSF	Protein Glucose Lactate	Turbidimetric method Enzymatic reference method UV Assay U-BIO-P-108, U-BIO-P-127, U-BIO-P-105	PH/RBH
	HCG Alpha foetalprotein Ca19-9 Ca 125 Carcinoembryonic Antigen Prostate Specific Antigen Ca 15-3	Immunoassay with Chemiluminescence methods U-BIO-P-157, U-BIO-P-252, 253, 254, 255, 256 U-BIO-P-178	PH/RBH RBH RBH RBH RBH PH/RBH RBH
	Parathyroid Hormone Cortisol Digoxin	Roche Cobas 8000 analyser using Roche 801 line A - Immunoassay with chemiluminescence U-BIO-P-180	PH/RBH PH/RBH PH/RBH
Serum/plasma	IgF-1 Human Growth Hormone Insulin C-peptide	Roche Cobas 8000 analyser using Chemiluminescence assay ECLIA U-BIO-P-267, 75 U-BIO-P-270 U-BIO-P-271	PH



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examinations for the purposes of clinical diagnosis (cont'd)</u>	Manufacturer's instructions for the Roche analysers and in house documented methods	
Serum / plasma (unless otherwise specified)	FSH LH Luteinising hormone Oestradiol Progesterone Prolactin Sex Hormone Binding Globulin Testosterone	Roche Cobas 8000 analyser using Immunoassay with Roche 801 hormone assays using chemiluminescence U-BIO-P-169, U-BIO-P-170, U-BIO-P-171, U-BIO-P-172, U-BIO-P-173, U-BIO-P-174, U-BIO-P-175	PH/RBH
	Procalcitonin (PCT) Vitamin D NTproBNP	Roche Cobas 8000 analyser using Roche 801 Misc assays; Immunoassay with chemiluminescence U-BIO-P-153, U-BIO-P-164, U-BIO-P-159	PH/ RBH
	Tacrolimus	U-BIO-P-261 Roche Cobas 8000 analyser using Roche 801 Thyroid Function Tests; Immunoassay with chemiluminescence	RBH
	Free Triiodothyronine (FT3) Free thyroxin (FT4) Thyroid stimulating hormone (TSH)	U-BIO-P-260 U-BIO-P-156 U-BIO-P-161	RBH PH/RBH PH/RBH
	Troponin HS TNT	Roche Cobas 8000 analyser using Roche 801 HS Troponin Assay Immunoassay with chemiluminescence U-BIO-P-162	PH/RBH
	Vitamin B12 Folate Ferritin	Roche Cobas 8000 analyser using Roche 801 Haematinics Immunoassay with chemiluminescence U-BIO-P-163), U-BIO-P-155, U-BIO-P-154	PH/RBH



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examinations for the purposes of clinical diagnosis</u> (cont'd)	Manufacturer's instructions for the Roche analysers and in house documented methods	
Serum / plasma (unless otherwise specified) (cont'd)	Macroprolactin	Roche Cobas 8000 analyser using Roche Macromolecule Analysis Immunoassay with chemiluminescence U-BIO-P-70	PH
	Alcohol (ethanol)	Roche Cobas 8000 analyser using Enzymatic method with alcohol dehydrogenase U-BIO-P-262	RBH
	Complement C3 Complement C4 Rheumatoid Factor	Roche Cobas 8000 analyser using Roche Immunology assays Immunoturbidimetric assay U-BIO-P-196, U-BIO-P-197, U-BIO-P-198	RBH
	<u>Calculated tests</u>	Manufacturer's instructions for the Roche analysers and in house documented methods	
	HDL Cholesterol ratio Non-HDL/cholesterol	By calculation	PH/RBH
	eGFR	By calculation	PH/RBH
	Adjusted/corrected Calcium	By calculation	PH/RBH
	Free androgen index (FAI)	By calculation	PH/RBH
	Albumin/Creatinine Ratio Creatinine clearance Protein /creatinine Calcium/Creatinine Ratio Urate/Creatinine Ratio Creatinine clearance	By calculation	PH/RBH
24 hr urine excretion	Total protein	By calculation	PH/RBH
24 hr urine excretion	Total protein Calcium	By calculation	PH



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examinations for the purposes of clinical diagnosis (cont'd)</u>		
Serum and urine	Osmolality	Advance Instruments Micro-osmometer using measurement of the depression of freezing point BS-SOP-549, BS-SOP-762, BS-SOP-772	PH/RBH
CSF	Xanthochromia	Xanthochromia measurement using Perkin Elmer Lambda 365 UV-Vis spectrophotometer U-BIO-P-69	RBH
Serum / plasma (unless otherwise specified)	Detection and Quantitation of paraproteins	Sebia Capillarys 2 Flex Piercing System and Sebia Hydrasys 2 System using Capillary Zone Electrophoresis, Immunofixation and Immunotyping U-BIO-P-52, U-BIO-P-53	RBH
Serum	Kappa Free light chains Lambda Free light chains	Binding Site Optilite by turbidometry U-BIO-P-57	RBH
Faeces	Quantitative Faecal Immunochemical Testing FIT (Haemoglobin) for screening	OC-Sensor Pledia (latex agglutination immunoturbidimetry) U-BIO-P-268	RBH
END			