


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>8376</p> <p>Accredited to ISO 15189:2012</p>	<h3>University Hospitals of Leicester NHS Trust</h3> <p>Issue No: 004 Issue date: 10 July 2020</p>	
	<p>Blood Sciences Laboratory Leicester Royal Infirmary Leicester Royal Infirmary Square Leicester LE1 5WW</p>	<p>Contact: Dr Hafiz Qureshi Tel: 0116 258 6614 E-Mail: hafiz.qureshi@uhl-tr.nhs.uk Website: www.uhl.nhs.uk</p>
<p>Testing performed by the Organisation at the locations specified below</p>		

Laboratory locations:

Location details	Activity	Location code
<p>Address Leicester Royal Infirmary Leicester Royal Infirmary Square Leicester LE1 5WW</p> <p>Local contact Dr Hafiz Qureshi</p>	<p>Haematology Blood Transfusion Chemistry Toxicology Special Chemistry Immunology Special Haematology Molecular</p>	LRI
<p>Glenfield Hospital Groby Road Leicester LE3 9QP</p> <p>Local contact Dr Hafiz Qureshi</p>	<p>Haematology Blood Transfusion Chemistry</p>	GH
<p>Leicester General Hospital Gwendolen Road Leicester LE5 4PW</p> <p>Local contact Dr Hafiz Qureshi</p>	<p>Haematology Blood Transfusion Chemistry</p>	LGH
<p>Emergency Department Leicester Royal Infirmary Leicester Royal Infirmary Square Leicester LE1 5WW</p> <p>Local contact Dr Hafiz Qureshi</p>	<p>Haematology Chemistry</p>	ED



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Site Activities performed away from the above locations:

Location details	Activity	Location code
Theatres – 2 nd Floor Balmoral Building Maternity Blood Fridge – 4 th Floor Kensington Building ED Haematology Day Ward Leicester Royal Infirmary Leicester Royal Infirmary Square Leicester LE1 5WW	Local contact Dr Hafiz Qureshi Blood Issue Fridges No testing occurs at this location	E
ITU Blood Fridge and Cardiac Theatre Blood Fridge Glenfield Hospital Groby Road Leicester LE3 9QP	Local contact Dr Hafiz Qureshi Blood Issue Fridge No testing occurs at this location	F
Main Theatre Orthopaedic Theatre Maternity Leicester General Hospital Gwendolen Road Leicester LE5 4PW	Local contact Dr Hafiz Qureshi Blood Issue Fridge No testing occurs at this location	G
LOROS Hospice Clean Utility room (Back Corridor) Groby Road Leicester LE3 9QE	Local contact Dr Hafiz Qureshi Blood Issue Fridge No testing occurs at this location	H



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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 BODY FLUIDS	<u>Biochemistry examination activities for the purposes of clinical diagnosis</u>	Documented in house methods and manufacturer's instructions for	
		Siemens Advia Chemistry XPT	LRI, ED
		Siemens Advia 1800	GH, LGH
	Quantitation of:		
Blood	Albumin	BCG Dye Binding PR3114	LRI, ED, GH, LGH
Blood	Alkaline Phosphatase	Modified IFCC PR3114	LRI, ED, GH, LGH
Blood	Alanine Transaminase	Modified IFCC PR3114	LRI, ED, GH, LGH
Blood	Ammonia	Enzymatic PR3114	LRI
Blood	Amylase	Ethylidene Blocked-pNPG7 PR3114	GH, LGH
Urine	Amylase	Ethylidene Blocked-pNPG7 PR3114	LRI
Blood	Aspartate Transaminase	Modified IFCC PR3114	LRI, GH, LGH
Blood	Bicarbonate	Enzymatic PR3114	LRI, GH, LGH
Blood	Bile Acids	Colorimetric PR3114	LRI
Blood	Bilirubin-Total	Vanadate oxidation PR3114	LRI, ED GH, LGH
Blood	Calcium	Arsenazo III PR3114	GH, ED, LGH, LRI



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purposes of clinical diagnosis (cont'd)</u>	Documented in house methods and manufacturer's instructions for	
		Siemens Advia Chemistry XPT	LRI
		Siemens Advia 1800	GH, LGH
Blood	Carbamazapine	Latex enhanced immunoturbidimetric PR3114	LRI
Blood	Chloride	Ion Selective Electrode (ISE), diluted PR3114	LRI, ED, GH, LGH
Urine	Chloride	Ion Selective Electrode (ISE), diluted PR3114	LRI
Blood	Cholesterol	Enzymatic PR3114	LRI, GH, LGH
Blood	Creatine Kinase	NAC Activated, IFCC PR3114	LRI, ED, GH, LGH
Blood	Conjugated Bilirubin	Vanadate oxidation, PR3114	LRI, GH, LGH
Blood	Creatinine	Jaffe, alkaline picrate, kinetic with blank rate correction PR3114	LRI, ED, GH, LGH
Urine (LRI only)	Creatinine	Jaffe, alkaline picrate, kinetic with blank rate correction PR3114	LRI
Blood	C Reactive Protein	PEG enhanced immunoturbidimetric PR3114	LRI, ED, GH, LGH
Blood	Ethanol	Enzymatic PR3114	LRI, ED



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purposes of clinical diagnosis (cont'd)</u>	Documented in house methods and manufacturer's instructions for	
		Siemens Advia Chemistry XPT	LRI
		Siemens Advia 1800	GH, LGH
Blood	Enzymatic Creatinine	Enzymatic/Creatinine Deiminase/GLDH PR3114	LRI, ED, GH, LGH
Blood	Gamma-glutamyl transferase	Modified IFCC PR3114	LRI, GH, LGH
Blood	Glucose	Hexokinase PR3114	LRI, ED, GH, LGH
Blood	HDL Cholesterol	Elimination/catalase PR3114 – Calculated Test	LRI, GH, LGH
Blood	Iron	Ferrozine PR3114	LRI, GH, LGH
Blood	Lactate	Lactate oxidase, colorimetric PR3114	LRI, ED, GH, LGH
Blood	Lactate Dehydrogenase	Lactate/NAD PR3114	LRI, GH, LGH
Blood	Lithium	Colorimetric PR3114	LRI
Blood	Magnesium	Xylidyl Blue, PR3114	LRI, ED, GH, LGH
Blood	Methotrexate	Immunoturbidimetric, PR1680	LRI
Blood	Paracetamol	Enzymatic PR3114	LRI, GH, LGH, ED



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purposes of clinical diagnosis (cont'd)</u>	Documented in house methods and manufacturer's instructions for	
		Siemens Advia Chemistry XPT	LRI
	Quantitative determination of	Siemens Advia 1800	GH, LGH
Blood	Phenytoin	Latex-enhanced immunoturbidimetric PR3114	LRI, GH, LGH
Blood Urine (LRI only)	Inorganic Phosphate	Phosphomolybdate/UV PR3114	LRI, ED, GH, LGH
Blood Urine (LRI only)	Potassium	Ion Selective Electrode (ISE), diluted PR3114	LRI, ED, GH, LGH
Blood	Salicylate	Enzymatic, PR3114	LRI
Blood	Sodium	Ion Selective Electrode (ISE), diluted PR3114	LRI, ED, GH, LGH
Urine	Sodium	Ion Selective Electrode (ISE), diluted PR3114	LRI
Blood	Theophylline	Latex-enhanced immunoturbidimetric. PR3114	LRI
Blood	Total Protein	Biuret PR3114	LRI, GH, LGH, ED
Blood	Transferrin	PEG enhanced immunoturbidimetric PR3114	LRI, LGH
Blood	Triglyceride	GPO, Trinder without serum blank PR3114	LRI, GH, LGH
Blood	Urea	Urease with GLDH PR3114	LRI, ED, LGH, GH
Urine (LRI only)	Urea	Urease with GLDH PR3114	LRI



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purposes of clinical diagnosis (cont'd)</u>	Documented in house methods and manufacturer's instructions for	
		Siemens Advia Chemistry XPT	LRI
	Quantitative determination of	Siemens Advia 1800	GH, LGH
Blood	Uric Acid	Uricase/Peroxidase, PR3114	LRI, LGH, GH
Urine	Uric Acid	Uricase/Peroxidase, PR3114	LRI
Urine	Protein	Dye binding, PR3114	LRI
Blood	Valproic Acid	Latex enhanced immunoturbidimetric PR3114	LRI
Urine	Microalbumin	PEG enhanced immunoturbidimetric PR1681	LRI
	Quantitative determination of:	Siemens Advia Centaur XPT	LRI
Blood	Brain Natriuretic Peptide	Two-site sandwich immunoassay using direct chemiluminescent technology PR3115	
Blood	CA 125 antigen	Two-site sandwich immunoassay using direct chemiluminescent technology PR3115	
Blood	Carcino-embryonic antigen	Competitive immunoassay using direct chemiluminescent technology PR3115	
Blood	Cortisol	Competitive immunoassay using direct chemiluminescent technology PR3115	



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purposes of clinical diagnosis (cont'd)</u>	Documented in house methods and manufacturer's instructions for	LRI
	Quantitative determination of:	Siemens Advia Centaur XPT	
Blood	Digoxin	Competitive immunoassay using direct chemiluminescent technology PR3115	
Blood	Ferritin	Two-site sandwich immunoassay using direct chemiluminescent technology PR3115	
Blood	Folate	Competitive immunoassay using direct chemiluminescent technology PR3115	
Blood	Free T3	Two-site sandwich immunoassay using direct chemiluminescent technology PR3115	
Blood	Free Thyroxine	Two-site sandwich immunoassay using direct chemiluminescent technology PR3115	
Blood	Follicle Stimulating Hormone	Two-site sandwich immunoassay using direct chemiluminescent technology PR3115	
Blood	Luteinising Hormone	Two-site sandwich immunoassay using direct chemiluminescent technology PR3115	
Blood	17-Beta Oestradiol	Competitive immunoassay using direct chemiluminescent technology PR3115	
Blood	Phenobarbitone	Two-site sandwich immunoassay using direct chemiluminescent technology PR3115	



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purposes of clinical diagnosis (cont'd)</u>	Documented in house methods and manufacturer's instructions for	LRI
Blood	Quantitative determination of: Progesterone	Siemens Advia Centaur XPT Competitive immunoassay using direct chemiluminescent technology PR3115	
Blood	Prolactin	Two-site sandwich immunoassay using direct chemiluminescent technology, PR3115	
Blood	Prostate Specific Antigen	Two-site sandwich immunoassay using direct chemiluminescent technology, PR3115	
Blood	Parathyroid Hormone	Two-site sandwich immunoassay using direct chemiluminescent technology PR3115	
Blood	Red Cell Folate	Competitive immunoassay using direct chemiluminescent technology PR3115	
Blood	Alpha Foetoprotein (TM)	Two-site sandwich immunoassay using direct chemiluminescent technology PR3115	
Blood	Total HCG	Two-site sandwich immunoassay using direct chemiluminescent technology PR3115	
Blood	Testosterone	Two-site sandwich immunoassay using direct chemiluminescent technology PR3115	
Blood	Thyroid Stimulating Hormone	Two-site sandwich immunoassay using direct chemiluminescent technology PR3115	



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purposes of clinical diagnosis (cont'd)</u>	Documented in house methods and manufacturer's instructions for	
Blood	Quantitative determination of: Vitamin B12	Siemens Advia Centaur XPT Competitive immunoassay using direct chemiluminescent technology PR3115	LRI
Blood	CA19.9 antigen	Two-site sandwich immunoassay using direct chemiluminescent technology, PR3115	
Blood	Amino-Terminal Propeptide of Type III Procollagen (PIIINP)	Two-site sandwich immunoassay using direct chemiluminescent technology, PR3115	
Blood	Troponin I	Abbott Architect i2000SR, three-site sandwich immunoassay using direct chemiluminescent technology (CMIA) PR3115	LRI, GH
Blood Urine	Osmolality	Advanced Instruments, freezing point depression PR1679	LRI



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HUMAN BODY FLUIDS (cont'd)	<u>Haematology examination activities for the purposes of clinical diagnosis</u>	Documented in house methods and manufacturer's instructions for	
Whole Blood - EDTA	Quantitation of: FBC White Blood Cells Red Blood Cells Haemoglobin Haematocrit Mean Cell Volume Mean Cell Haemoglobin Mean Cell Haemoglobin Concentration Platelet Count Reticulocytes Neutrophils Lymphocytes Monocytes Eosinophils Basophils NRBC RDW CHr	Siemens Advia 2120i, Optical cytometry PR1682	LRI, ED, GH, LGH
Blood	Detection of Epstein Barr (Glandular Fever)	Monogen Biokit- Rapid IM Latex agglutination PR1688	LRI
Blood	Screen for malarial parasites <i>P. falciparum</i> , <i>P. vivax</i> , <i>P. malariae</i> & <i>P. ovale</i>	Carestart RDT Kit- Rapid Malarial Parasite detection for all malaria types <i>P. falciparum</i> , <i>P. vivax</i> , <i>P. malariae</i> & <i>P. ovale</i> also <i>P. falciparum</i> specific PR 3348	LRI, GH, LGH
Blood	Confirmation of malarial parasite	Malaria parasite identification and parasitaemia by Microscopy PR 3589	LRI, GH, LGH
Blood	Morphology	Leica Microscopes PR 1689	LRI, GH, LGH
Blood	Plasma Viscosity - PV	Benson-Plasma viscometer BV 200 analyser, Rate of flow through capillary of known diameter and length under constant pressure and temperature. PR 1684	LRI



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HUMAN BODY FLUIDS (cont'd)	<u>Routine coagulation examination activities for the purposes of clinical diagnosis</u>	Documented in house methods and manufacturer's instructions for	
Blood	PT INR APTT APTTR Thrombin Time Fibrinogen D Dimer	Stago-Star Max 2 PR3246	LRI, GH, LGH, ED
	<u>Blood Transfusion examination activities for the purpose of clinical diagnosis</u>	Documented in house methods and manufacturer's instructions for	
Whole Blood: EDTA samples	Blood Grouping <ul style="list-style-type: none"> • A B O • Rhesus D status 	Diamed Gel Station Analyser, column agglutination method – PR 3053 Manual Method – PR1531	LRI, GH, LGH
Plasma	Antibody Screening <ul style="list-style-type: none"> • Rh- C,D,E,c,e, • Kell- K,k, • Duffy- Fya, Fyb • MNSs- M,N,S,s • Kidd- Jka, Jkb • Lewis- Le(a), Le(b) • Lutheran- • CWillis-Cw 	Diamed Gel Station Analyser, column agglutination method – PR 3053 Manual Method Gel Cards, Incubator and Centrifuge– PR1531	LRI, GH, LGH



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HUMAN BODY FLUIDS (cont'd)	<u>Blood Transfusion examination activities for the purpose of clinical diagnosis (cont'd)</u>	Documented in house methods and manufacturer's instructions for	
Whole Blood and plasma	Antigen phenotyping C, c, E, e, K, Fya, Fyb, Jka, Jkb, M, N, S, s	Blood Transfusion Red Cell Phenotyping Manual PR3055	LRI, GH, LGH
Plasma	Antibody Identification <ul style="list-style-type: none"> • Rh- C,D,E,c,e, • Kell- K,k, • Duffy- Fya, Fyb • MNSs- M,N,S,s • Kidd- Jka, Jkb • Lewis- Le(a), Le(b) • Lutheran- • CWillis-Cw 	Diamed Gel Station Analyser, column agglutination method – PR 3053 Using 11 and 10 cell panels Manual method by column agglutination using Diamed Gel Cards 3 and 4 Cell panels PR 3054	LRI, GH, LGH
EDTA Red Cells and Plasma	Cross Matching	Manual Method method by column agglutination – Diamed Gel Cards PR1531 Manual Cross matching and blood selection	LRI, GH, LGH
Blood	Direct AHG test	Manual Method by column agglutination – Diamed Gel Cards – PR3054	LRI, GH, LGH
Blood	Kleihaur fetal red cell detection	Manual method by acid elution – PR 3060	LRI
CSF	<u>Special Haematology examination activities for the purpose of clinical diagnosis</u> Assessment for the presence of abnormal cells	Documented in house methods and manufacturer's instructions for Manual preparation of a slide using Shandon Cytospin4 to create monolayer of cells then stained using MGG and Shandon Varistain Gemini Semi Automated Stainer. PR1707 and PR1709	LRI



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HUMAN BODY FLUIDS (cont'd)	<u>Special Haematology examination activities for the purpose of clinical diagnosis</u>	Documented in house methods and manufacturer's instructions for	
Urine Bone marrow	Assessment of the presence of iron	PR1708 Iron (Fe) staining procedure using Perl's Prussian Blue including the preparation of slides for the assessment of Urinary Haemosiderin and PR1707 Use of the Shandon Varistain Gemini Semi Automated Stainer	LRI
Bone Marrow Aspirate Bone Marrow Trepine	Morphological assessment	Manual preparation and staining using Romanowsky stain- MGG PR; 1702; 1703; 1707; 3233; IN 4095; 3233; 5799; 3677	LRI
Plasma - Citrate	Prothrombin time (PT)/INR APTT using Actin FS, APTT using PTTLA Clauss Fibrinogen Antigenic Fibrinogen Thrombin Time Intrinsic Coagulation Factor Assays Extrinsic Coagulation Factor Assays Chromogenic FVIII assay Intrinsic factor inhibitor assay (Bethesda) Protein C Activity Protein S Antigen AntiThrombin Activity Lupus Anticoagulant detection using DRVVT	Stago STA-R Max 2 Multi-wavelength transmitted light detection – clotting method. PR1731: Prothrombin Time/INR PR1732: APTT using Actin FS PR1733: APTT using PTTLA PR1734: Clauss Fibrinogen PR1743: Immunoassay for Fibrinogen Antigen PR1735: Thrombin Time PR1745: Intrinsic factor assays PR1744: Extrinsic factor assays PR1748: Chromogenic FVIII assay PR1746: Intrinsic Factor Inhibitor Assay PR1757: Protein C Activity PR1758: Free Protein S Antigen PR1756: Antithrombin Activity PR1755: Lupus Anticoagulant screening by DRVVT	LRI



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HUMAN BODY FLUIDS (cont'd)	<u>Special Haematology examination activities for the purpose of clinical diagnosis</u>	Documented in house methods and manufacturer's instructions for	
Plasma – citrate	Anti Xa Assay (unfractionated heparin)	Stago STA-R Max 2 Multi-wavelength transmitted light detection – clotting method. Covering therapeutics – LMWH – PR1736 Rivaroxaban – PR1741 Apixaban – PR1752 Edoxaban – PR3885 PR1763 Validation, authorising and reporting of H&T results	
Blood	Detection of: Von Willebrand Factor Antigen	IL Acustar Chemiluminescence immunoassay analyser using SOPs: PR1751: von Willebrand Factor Antigen Assay PR1754: von Willebrand Ristocetin co-factor activity assay PR1762: Heparin Induced Thrombocytopenia (HIT-IgG)	LRI
Blood	Von Willebrand Factor Collagen Binding Activity	Manual ELISA. Measured using Dynex Microplate reader, a photometer which measures the optical density of samples in a 96 well ELISA plate. SOP: PR1753: Measurement of von Willebrand Collagen Binding Activity	LRI
Blood	Screening for HbA2, HbF and HBS	Arkray HA8180T analyser HPLC SOP: PR1724; PR813; PR1725; PR1722	LRI
Blood	Sickle solubility for confirmation of Haemoglobin S	Manual test - SOP: PR1717:	LRI
Blood spot	Screening for haemoglobin variants	Kit based test – ISO Electric focussing – PR 1716; PR1721; PR1722	LRI



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HUMAN BODY FLUIDS (cont'd)	<u>Special Haematology examination activities for the purpose of clinical diagnosis (cont'd)</u>	Documented in house methods and manufacturer's instructions for	
Blood	Detection of red cell enzyme G6PD	G6PD activity detected by fluorescence based qualitative technique Kit based method SOP: PR1713	LRI
Blood	<u>Toxicology examination activities for the purpose of monitoring</u> Determination of: Topiramate Levetiracetam (Keppra) Flecainide Amiodarone Lamotrigine Antifungal Drug Quantitation: Itraconazole Posaconazole Voriconazole	Documented in house methods and manufacturer's instructions for In-house, LC-MSMS, Triple Quad PR1613, PR1614, PR1609, PR1610, PR1616, PR1615	LRI
Urine	Drugs of Abuse Screen Detection of: Benzoyllecgonine Cocaine Cocaethylene Amphetamine Methamphetamine MDMA MDA MDEA Morphine Codeine 6-MAM Dihydrocodeine Pregabalin Gabapentin Mephedrone Oxycodone	In-house, LC-MSMS, Triple quad PR3365	LR



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HUMAN BODY FLUIDS (cont'd)	<u>Toxicology examination activities for the purpose of monitoring (cont'd)</u>	Documented in house methods and manufacturer's instructions for	
Urine	Drugs of Abuse Screen Detection of (cont'd): Zopiclone Nitrazepam Diazepam Temazepam Methadone EDDP THC-COOH Buprenorphine Pholcodine	In-house, LC-MSMS, Triple quad PR3365 (cont'd)	LR
Urine	Anti-hypertensive drug screen: Trandolaprilat (Trandolapril metabolite) Benazeprilat (Benazepril metabolite) Enalaprilat (Enalaprilat metabolite) Fosinoprilat (Fosinopril metabolite) Lisinopril Perindoprilat (Perindopril metabolite) Quinaprilat (Quinapril metabolite) Ramiprilat (Ramipril metabolite) Azilsartan Candesartan Irbesartan Losartan Olmesartan Telmisartan Valsartan Atenolol Bisoprolol Carvedilol Celiprolol Labetolol Metoprolol Nebivolol	In-house, LC-MSMS Triple Quad, PL213	LRI



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HUMAN BODY FLUIDS (cont'd)	<u>Special Chemistry examination activities for the purpose of clinical diagnosis</u>	Documented in house methods and manufacturer's instructions for	
Urine	Anti-hypertensive drug screen: (cont'd) Propranolol Sotalol Amlodipine Diltiazem Felodipine Nicardipine Verapamil Amiloride Bendroflumethiazide Bumetanide Canrenone (Spironolactone metabolite)	In-house, LC-MSMS Triple Quad, PL213 (Contd)	LRI
Blood	Gal-1-PUT screen (Galactose-1-Phosphate Uridyl Transaminase)	Method supplied by the Reference Centre, Southmead Hospital, Bristol PR1663	LRI
Sweat	Sweat Chloride	Pilcopene Iontophoresis by Gibson & Cooke method PR1660 and Chloride Sherwood Meter PR1656	LRI
Blood	Total Homocysteine	In-house, LC-MSMS, Triple Quad PR1620	LRI
Blood	Vitamin A Vitamin E	In-house reverse phase HPLC photometric detection PR 1608	LRI
Blood	HbA1c	Reverse phase cation exchange HPLC method using Arkray Analyser HA8180 and PR1650	LRI
Blood	Determination of: Renin Aldosterone	Diasorin, Liaison, Chemiluminescence immunoassay IN3760, PR1647	LRI
Faeces	Elastase	Schebo Kit, ELISA PR1665	LRI
Faeces	Calprotectin	Buhlmann Kit, ELISA PR1667	LRI



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HUMAN BODY FLUIDS (cont'd)	<u>Special Chemistry examination activities for the purpose of clinical diagnosis (cont'd)</u>	Documented in house methods and manufacturer's instructions for	
Blood	Determination of: ACTH Androstenedione Insulin C-Peptide DHEA B2M GH IGF-1	Siemens, Immulite 2000Xpi, Solid phase, chemiluminescent enzyme immunoassay PR3364, PR1649	LRI
Assorted pathological calculi/stones	Calculi analysis	FT-IR spectrophotometry PR1621	LRI
Urine	Detection of: Andrenaline Noradrenaline Dopamine	In-house, LC-MSMS, Triple Quad PR1618	LRI
Urine	Detection of: Metadrenaline Normetadrenaline Total Metadrenalines 3-Methoxytyramine	In-house, LC-MSMS, Triple Quad PR1617	LRI
Urine, faeces	Porphobilinogen	All Wales Clinical Biochemistry Audit Group Standards PR1654	LRI
CSF	Xanthochromia	Spectrophotometric scan. Using Unicam UV 500 Spectrophotometer, Phadia Spectronic and UKNEQAS Guidelines for Analysis of CSF for Bilirubin in suspected SAH. PR1655, PR1654	LRI



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HUMAN BODY FLUIDS (cont'd)	<u>Immunochemistry examination activities for the purpose of clinical diagnosis</u>	Documented in house methods and manufacturer's instructions for	
Serum	Detection of: Protein	Sebia Capillarys analyser, Capillary Zone electrophoresis method, PR3292; PR3293; PR3294	LRI
Serum	Paraprotein characterisation	Sebia Capillarys for Immunosubtraction and Sebia Hydrasys for Immunofixation PR3292; PR3288; PR3293; PR3294; PR3295	LRI
Urine	Immunofixation	Sebia Hydrasys analyser, Electrophoresis – Protein Immunofixation PR3290; PR3291; PR3288	LRI
Serum	T-Spot TB test	Interferon Gamma Release assay by Oxford Immunotech – PR 3314	LRI
Serum	ANA (Screen and Titre) Liver Screen (AMA, SMA, LKM) Islet Cell antibody ANCA Endomysial Antibodies	Quantalyser 160 Prep Station, Launch Indirect immunofluorescence method, PR3285; PR3286, PR3284 and PR3287	LRI



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HUMAN BODY FLUIDS (cont'd)	<u>Immunology examination activities for the purpose of clinical diagnosis (cont'd)</u>	Documented in house methods and manufacturer's instructions for	
Serum	Detection of: Cardiolipin Antibody Glutamic Acid Decarboxylase Antibody IA2 Antibody Intrinsic factor Antibody Specific IgG levels to Tetanus Toxoid Specific IgG levels to Haemophilus Influenza B	Dynex DS2 analyser, ELISA method, PR3275-PR3280	LRI
Serum	Detection of: C1 Esterase Inhibitor IgG Subclasses IgG1 IgG Subclasses IgG2 IgG Subclasses IgG3 IgG Subclasses IgG4 Serum free light chains Immunoglobulins IgA; IgG, IgM Complement C3 and C4 Rheumatoid Factor	Binding Site Optilite – Turbidimetry PR3298; PR3299	LRI
Serum	CD4 Count Immunodeficiency Immunophenotyping	Beckman Coulter Aquios Analyser, Flow Cytometry method. PR3306 and PR3312	LRI
Serum	Immunophenotyping for: Acute leukaemia Lymphoma Myeloma PNH CD34 Stem cell enumeration	Beckman Coulter Navios Analyser, Flow Cytometry method. PR3303; PR3310; PR3311; PR3317; PR3308	LRI



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HUMAN BODY FLUIDS (cont'd)	<u>Immunology examination activities for the purpose of clinical diagnosis (cont'd)</u>	Documented in house methods and manufacturer's instructions for	
Serum	IgE <u>Specific Ig E Allergens</u> Almond Alternaria alternata Amoxycilloy Anise Apple Apricot Asparagus Aspergillus Fumigatus Aubergine, eggplant Avocado Baker's Yeast Banana Barley Beef Blue mussel Bovine gelatin Brazil Nut Buckwheat Budgerigar Feathers Caraway Cardamon Carrot Cashew Cat (Epithelium) Cedar Cefaclor Celery Cephalosporin Acremonium Kiliense Cheese (cheddar type) Cheese (mould type)	Phadia Unicap 250, FEIA method. PR3281	LRI



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<p>HUMAN BODY FLUIDS (cont'd)</p> <p>Serum (cont'd)</p>	<p><u>Immunology examination activities for the purpose of clinical diagnosis (cont'd)</u></p> <p><u>Specific Ig E Allergens (cont'd)</u></p> <p>Cherry Chicken Chicken droppings Chicken Feathers Chickpea Chilli Chlorhexidine Cladosporium herbarium Clove Coco Coconut Common Ragweed Cod fish Coriander Cow dander Cow's Milk Crab Cucumber Curry (santa maria) Dill Dog Dander Egg White Egg Yolk Fel d1, Recomb. Cat Fel d2, Recomb. Cat Serum albumin Fennel Fenugreek Fig Garlic Gelatin (bovine) Gerbil Ginger Gluten Grape Grapefruit Grass mix</p>	<p>Documented in house methods and manufacturer's instructions for</p> <p>Phadia Unicap 250, FEIA method. PR3281</p>	<p>LRI</p>



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HUMAN BODY FLUIDS (cont'd)	<u>Immunology examination activities for the purpose of clinical diagnosis (cont'd)</u>	Documented in house methods and manufacturer's instructions for	
Serum (cont'd)	<u>Specific Ig E Allergens (cont'd)</u> Green Bean Guinea pig epithelium Haddock Hake Hamster epithelium Hazelnut Honey Honey bee venom Horse Dander Horse fly House Dust Mite House Dust Mite (Dermatophagoides farinae) Insulin bovine Insulin human Insulin porcine Isocynate HDI Isocynate MDI Isocynate TDI Jackfruit Kiwi Latex Lemon Lentil Lettuce Linseed Lobster Lupin Pollen Lupin seed Mace (Nutmeg) Mackerel Maize Mango	Phadia Unicap 250, FEIA method. PR3281	LRI



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HUMAN BODY FLUIDS (cont'd)	<u>Immunology examination activities for the purpose of clinical diagnosis (cont'd)</u>	Documented in house methods and manufacturer's instructions for	
Serum (cont'd)	<u>Specific Ig E Allergens (cont'd)</u> Melon Mint Morphine Mouse epithelium, serum proteins and urine Mugwort Mushroom Mustard MUXF3 CCD, Bromelin nBos d 4 alpha-lactalbumin, Milk nBos d 5 beta-lactoglobulin, Milk nBos d 8 Casein, Milk nBos d Lactoferrin, Milk nCan f 3 Dog serum albumin nGal d 2 Ovalbumin, Egg nGal d 3 Conalbumin, Egg nGal d 4 Lysozyme Egg nGly m5 beta-conglycinin, Soy nGly m6 Glycinin Nettle Oat Omega-5-gliadin Onion Orange Ovomucoid Oyster Pacific Squid Paprika Parrot Feathers Parsley Pea Peach	Phadia Unicap 250, FEIA method. PR3281	LRI



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<p>HUMAN BODY FLUIDS (cont'd)</p> <p>Serum (cont'd)</p>	<p><u>Immunology examination activities for the purpose of clinical diagnosis (cont'd)</u></p> <p><u>Specific Ig E Allergens (cont'd)</u></p> <p>Peanut Pear Pecan Pencilloyl V Pencilloyl G Pepper Pigeon Feathers Pine Nut Pineapple Pistachio Plum Poppy seeds Pork Potato Pumpkin Pumpkin seed r Act d8 PR-10 Recomb. Kiwi rabbit Epithelium Rape seed Rape seed pollen rApi g1.01.PR-10 Celery rApi M1phospholipase A2 (Recomb. Honey Bee) rAra h 1 (Recomb. Peanut) rAra h 2 (Recomb. Peanut) rAra h 8 (Recomb. Peanut) rAra h3 (Recomb. Peanut) rAra h9 (Recomb. Peanut) Raspberry rBere 1 (Recomb Brazil) rBet V1 (Recomb.Birch) rBet v2 Profilin, Recomb Birch rCan f 1 Dog rCan f 2 Dog rCor A1 (Recomb. Hazelnut) rCor A8 (Recomb. Hazelnut) rCypc1carp</p>	<p>Documented in house methods and manufacturer's instructions for</p> <p>Phadia Unicap 250, FEIA method. PR3281</p>	<p>LRI</p>



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HUMAN BODY FLUIDS (cont'd)	<u>Immunology examination activities for the purpose of clinical diagnosis (cont'd)</u>	Documented in house methods and manufacturer's instructions for	
Serum (cont'd)	<u>Specific Ig E Allergens (cont'd)</u> Red kidney bean rGadc1Cod rGly m 4 (Recomb. Soy) rHev b1 Recomb. Latex rHev b11 (Recomb Latex) rHev b3 Recomb. Latex rHev b5 (Recomb Latex) rHev b6.01 Recomb. Latex rHev b6.02 Recomb. Latex rHev b8 (Profilin Recomb latex) rhev b9, Recomb. Latex Rice rPen a 1 Tropomyosin,(Recomb Shrimp) rPhl p 12 Profilin (Recomb. Timothy Grass) rPhl p 5b (Recomb. Timothy Grass) rPhl p1, rPhl p 5b Recomb. Timothy Grass rPol d 5 Paper wasp rPru p1 PR-10,Recomb. Peach Peach rPru p3 LTP,Recomb. Peach Rye Saffron Salmon Scallop Seminal Fluid Sesame seed Sharon / Persimmon fruit Shrimp(Prawn) Silver Birch Tree Sole Soya Bean Spinach	Phadia Unicap 250, FEIA method. PR3281	LRI



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HUMAN BODY FLUIDS (cont'd)	<u>Immunology examination activities for the purpose of clinical diagnosis (cont'd)</u>	Documented in house methods and manufacturer's instructions for	
Serum (cont'd)	<u>Specific Ig E Allergens (cont'd)</u> Strawberry Sunflower seeds Suxamethonium Thyme Timothy Grass Tomato Tree mix Trout Tuna Vanilla Ves V 1 Phospholipase A1, (Recomb. Common wasp) Ves V 5 (Recomb. Common wasp) Walnut Weed Mix Wheat Wheat (cultivated) White Bean Yellow jacket venom rTri a 14 LTP, Wheat rMal d1 PR-10 apple European hornet Langust (spiny lobster) American beech rJug r 1 Walnut rJug r 3 LTP, Walnut Brussel sprouts Ferret epithelium Halibut Fennel	Phadia Unicap 250, FEIA method. PR3281	LRI



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HUMAN BODY FLUIDS (cont'd)	<u>Immunology examination activities for the purpose of clinical diagnosis (cont'd)</u>	Documented in house methods and manufacturer's instructions for	
Serum (cont'd)	<u>Specific Ig E Allergens (cont'd)</u> Dandelion rAna o 3, Cashew Lime Goat's milk nCor a 9, Hazel nut rma d3 LTP, Apple Coffee Tea	Phadia Unicap 250, FEIA method. PR3281	LRI
Serum	Mast Cell Tryptase	Phadia Unicap 250, FEIA method. PR3281	LRI
Serum	Autoantibody Tests: MPO antibody PR3 antibody Ds-DNA Antibody Extractable Nuclear Antigen Screen Extractable Nuclear Antigen Jo-1 Extractable Nuclear Antigen Ro /SSA Extractable Nuclear Antigen La/ SSB Extractable Nuclear Antigen SmDP Extractable Nuclear Antigen Centromere B Extractable Nuclear Antigen RNP70 Extractable Nuclear Antigen U1RNP Extractable Nuclear Antigen Scl70 Cyclic Citrullinated Peptide Antibody Glomerular Basement Membrane Antibody	Phadia Unicap 250, ELIA method. PR 3281 PR3282.	LRI



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HUMAN BODY FLUIDS (cont'd)	<u>Immunology examination activities for the purpose of clinical diagnosis (cont'd)</u>	Documented in house methods and manufacturer's instructions for	
Serum	Autoantibody Tests: IgA Gliadin Antibody IgG Gliadin Antibody IgA Tissue Transglutaminase Antibody IgG Tissue Transglutaminase Antibody Thyroid Peroxidase Antibody Aspergillus fumigatus IgG precipitins Avian GE90 IgG precipitins Avian GE91 IgG precipitins Avian GE92 IgG precipitins Fungal GM22 IgG precipitins Fungal GM23 IgG precipitins	Phadia Unicap 250, ELIA method. PR 3281 PR3282.	LRI
END			