


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <p><b>UKAS</b> MEDICAL 8627</p> <p>Accredited to ISO 15189:2022</p>	<h3>Portsmouth Hospitals University NHS Trust</h3> <p><b>Issue No: 019 Issue date: 15 April 2026</b></p>	
	<p><b>Blood Sciences (Biochemistry &amp; Haematology)</b>  <b>Pathology Building</b>  <b>Queen Alexandra Hospital</b>  <b>Portsmouth</b>  <b>PO6 3LY</b>  <b>United Kingdom</b></p>	<p><b>Contact: Mrs Victoria Hunt</b>  <b>Tel: +44 (0) 23 9228 6784</b>  <b>E-Mail: victoria.hunt35@nhs.net</b>  <b>Website: : <a href="https://www.porthosp.nhs.uk/departments-and-services/pathology">https://www.porthosp.nhs.uk/departments-and-services/pathology</a></b></p>
<p><b>Testing performed at the above address only</b></p>		

### Site activities performed away from the locations listed above:

Location details	Activity
<p>Maternity Theatres                      Level B                      Queen Alexandra Hospital                      Portsmouth                      PO6 3LY</p>	<p>Blood storage &amp; issue                      Fridge managed by Transfusion Laboratory</p>
<p>Haematology Day Unit                      Level B                      Queen Alexandra Hospital                      Portsmouth                      PO6 3LY</p>	<p>Blood storage &amp; issue                      Fridge managed by Transfusion Laboratory</p>
<p>Independent Sector Treatment Centre                      Level C Theatres                      St Mary's General Hospital                      Milton Road                      Portsmouth                      Hampshire                      PO3 6DR</p>	<p>Blood storage &amp; issue                      Fridge managed by Transfusion Laboratory</p>
<p>Fareham Community Hospital                      Brook Lane                      Fareham                      Hampshire                      SO31 7DQ</p>	<p>Blood storage &amp; issue                      Fridge managed by Transfusion Laboratory</p>



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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	<u>Blood Transfusion examinations to assist in clinical investigations</u>	Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:
EDTA Whole Blood	ABO / D Blood Group by detection and identification of antigens: A Rh D Positive AB Rh D Positive B Rh D Positive O Rh D Positive A Rh Negative AB Rh D Negative B RhD Negative O Rh D Negative	Manual using BioRadColumn Agglutination Technology LPR-BSL-T-ManualTests
EDTA Whole Blood	ABO / D Blood Group by detection and identification of antigens: A Rh D Positive AB Rh D Positive B Rh D Positive O Rh D Positive A Rh Negative AB Rh D Negative B RhD Negative O Rh D Negative	BioRad IH-500 LPR-BSLT-IH500
EDTA Whole blood	Antibody Screen by detection of antibodies to: Rh-hr - C, c, D, E, e, f, Cw Kell - K, k, Kpa, Kpb, Jsb Duffy - Fya, Fyb MNSs - M, N, S, s Kidd - Jka, JKb Lutheran - Lua, Lub Lewis - Lea, Leb Auto-antibodies	Manual using BioRadColumn Agglutination Technology LPR-BSL-T-ManualTests



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HUMAN BODY FLUIDS (cont'd)	<u>Blood Transfusion examinations to assist in clinical investigations</u> (cont'd)	Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:
EDTA Whole blood	Antibody Screen by detection of antibodies to: Rh-hr - C, c, D, E, e, f, Cw Kell - K, k, Kpa, Kpb, Jsb Duffy - Fya, Fyb MNSs - M, N, S, s Kidd - Jka, Jkb Lutheran - Lua, Lub Lewis - Lea, Leb Auto-antibodies	BioRad IH-500 LPR-BSLT-IH500
EDTA Whole blood	Antibody Investigation by detection, identification of: Rh-hr - C, c, D, E, e, f, Cw Kell - K, k, Kpa, Kpb, Jsb Duffy - Fya, Fyb MNSs - M, N, S, s Kidd - Jka, Jkb Lutheran - Lua, Lub Lewis - Lea, Leb Auto-antibodies	Manual using BioRad Column Agglutination Technology LPR-BSL-T-ManualTests
EDTA Whole blood	Antibody Investigation by detection, identification of: Rh-hr - C, c, D, E, e, f, Cw Kell - K, k, Kpa, Kpb, Jsb Duffy - Fya, Fyb MNSs - M, N, S, s Kidd - Jka, Jkb Lutheran - Lua, Lub Lewis - Lea, Leb Auto-antibodies	BioRad IH-500 LPR-BSLT-IH500
EDTA Whole blood	Blood Group Phenotyping: Rh-, C, D, E, c, e, K	Manual using BioRad Column Agglutination Technology LPR-BSL-T-ManualTests



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HUMAN BODY FLUIDS (cont'd)	<u>Blood Transfusion examinations to assist in clinical investigations</u> (cont'd)	Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:
EDTA Whole blood	Blood Group Phenotyping: Rh-, C, D, E, c, e, K	BioRad IH-500 LPR-BSLT-IH500
EDTA Whole blood	Manual DAT Full DAT	Manual using Diamed (BioRad) Column Agglutination Technology LPR-BSL-T-ManualTests
EDTA Whole blood	Full DAT	BioRad IH-500 LPR-BSLT-IH500
EDTA Whole Blood	Foetal Maternal Haemorrhage Screen	Manual using Acid Elution Technique (Kleihauer Guest Medical kit) LPR-BSL-T-FMH
EDTA Blood Plasma	Compatibility testing of patients' plasma with donor cells	Manual full serological crossmatch Diamed (BioRad) Column Gel IAT technology. LPR-BSL-T-Crossmatch.



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HUMAN BODY FLUIDS (cont'd)	<u>Haematological examinations to assist in clinical investigations</u>	Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:
EDTA Whole Blood	Full Blood Count (FBC) analysis of the following parameters:  WBC RBC HGB HCT MCV MCH MCHC RDW PLT NEUT LYMPH MONO EOS BASO Reticulocyte count	Beckman Coulter DxH900, impedance, spectrophotometry, laser flow cytometry LPR-BSL-AH-DxH900
EDTA Whole Blood	IMT (Infectious Mononucleosis Test) Heterophile Antibody	Manual using Clearview IM II Antigen Test Kit. LP-HAE-H-CirVIM
EDTA Whole Blood	Malarial antigens screen for:  <i>Plasmodium falciparum</i> and pan-detection for: <i>Plasmodium malariae</i> , <i>Plasmodium ovale</i> & <i>Plasmodium vivax</i>	CareUs kit Immuno-chromatographic test kit for Plasmodium Falciparum Antigen LP-HAE-H-MPID-PFAG
EDTA Whole Blood	Erythrocyte Sedimentation Rate (ESR)	Starrsed modified Westergren method measured after 30 minutes then adjusted to 60 correcting for temperature LPR-BSL-AH-StarrsedESR



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HUMAN BODY FLUIDS (cont'd)	<u>Haematological examinations to assist in clinical investigations</u> (cont'd)	Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:
Citrated plasma	Routine coagulation: INR APTR Fibrinogen D-Dimer Heparin Anti-Xa Assay Thrombin Time	Stago STA R Max Chronometric Immunoturbidometric Chromogenic  LPR-BSL-C-Stago_INR_APTR_FIB LPR-BSL-C-Stago_AntiXa
Citrated plasma	Factor Assay Analysis: VII VIII IX XI Von Willebrand Screen: VWF Antigen Ristocetin Cofactor	Stago STA R Max Immunoturbidometric Chronometric  LPR-BSL-C-Stago_Factors LPR-BSL-C-Stago_VWF Assays
Citrated plasma	Thrombophilia Screen: Free Protein S, Protein C, Antithrombin	Stago STA R Max Chromogenic Immunoturbidometric Chronometric  LPR-BSL-C-Stago_Thrombo
Peripheral Blood Bone Marrow	Morphological examination and enumeration to identify haematological conditions	Beckman Coulter DXHSMS Slide preparation  Manual microscopy May Grunwald Giemsa stain Perls Iron stain Unstained slides  LPR-BSL-AH-SMS LP-HAE-H-FilmER LP-BSL-BS-BoneP



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EDTA Whole Blood	Detection & speciation (thick and thinfilms) of malaria parasites:  <i>Plasmodium falciparum,</i> <i>Plasmodium malariae, Plasmodium ovale, Plasmodium vivax,</i> <i>Plasmodium Knowlesi</i>	Preparation of thick and thin films  Manual microscopy Giemsa-Gurr stain Field stains A&B  LP-HAE-H-MPID
EDTA Whole blood	Sickle Cell and Thalassaemia Screening (SCT)	Documented in-house methods to meet the requirements of the Sickle Cell and Thalassaemia screening programme as defined in the NHS Sickle Cell and thalassaemia screening: Laboratory QA evidence requirements.
EDTA Whole blood	Haemoglobin Variants	TOSOH G11 HPLC BSL-BS-S-TOSG11THAL
EDTA Whole Blood	Sickledex screening	ClinTech Sickle Test Haemoglobin S Solubility Screening LPR-BSL-S-Sicchk LI-BSL-S-Sicchk



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HUMAN BODY FLUIDS (cont'd)	<u>Immunophenotyping examination activities for the purpose of clinical diagnosis</u>	Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:
EDTA Whole Blood	Immunophenotypic Identification of PNH clones WBC: FLAER, CD24, CD15, CD14, CD64 CD45 RBC: CD235a, CD59	Beckman Coulter Navios Flow Cytometer LP-HAE-I-PNHS
EDTA Whole Blood Bone Marrow Aspirates Body Fluids	Leukaemia/Lymphoma Immunophenotyping Haematolymphoid Lineage Investigations: CD45, CD3, CD4, CD5, CD8, CD10, CD56, CD19, CD20, CD34, kappa, lambda	Beckman Coulter Navios Flow Cytometer LP-HAE-I-L&LSCREEN
EDTA Whole Blood Bone Marrow Aspirates Body Fluids	Flow Cytometric Leukaemia/Lymphoma Immunophenotyping Chronic and Acute Panel antigens  Myeloid Lineage Investigations: CD45, CD2, CD4, CD7, CD11b, CD11c, CD13, CD14, CD15, CD16, CD33, CD36, CD56, CD41, CD61, CD71, CD64, CD34, CD117, CD235a, HLA-DR, CD19, CD203c, CD123	Beckman Coulter Navios Flow Cytometer LP-HAE-I-FLOWPANELS
EDTA Whole Blood Bone Marrow Aspirates Body Fluids	Flow Cytometric Leukaemia/Lymphoma Immunophenotyping Chronic and Acute Panel antigens  B cell Lineage Investigations: CD45, CD5, CD10, CD11c, CD19, CD20, CD34 CD22, CD23, CD24, CD25, CD38, CD43, CD79b, CD103, CD138, CD200, HLA-DR, FMC7 kappa, lambda, slgG, slgA SlgM, slgD.CD123	Beckman Coulter Navios Flow Cytometer LP-HAE-I-FLOWPANELS



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HUMAN BODY FLUIDS (cont'd)	<u>Immunophenotyping examination activities for the purpose of clinical diagnosis (cont'd)</u>	Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:
EDTA Whole Blood Bone Marrow Aspirates Body Fluids	Flow Cytometric Leukaemia/Lymphoma Immunophenotyping Chronic and Acute Panel antigens  B cell Lineage Investigations: CD45, CD5, CD10, CD11c, CD19, CD20, CD34 CD22, CD23, CD24, CD25, CD38, CD43, CD79b, CD103, CD138, CD200, HLA-DR, FMC7 kappa, lambda, sIgG, sIgA sIgM, sIgD.CD123	Beckman Coulter Navios Flow Cytometer LP-HAE-I-FLOWPANELS
EDTA Whole Blood Bone Marrow Aspirates Body Fluids	Flow Cytometric Leukaemia/Lymphoma Immunophenotyping  Chronic and Acute Panel antigens  T & NK cell Lineage Investigations CD45, CD1a, CD2, CD3, CD4, CD5, CD7, CD8, CD10, CD16, CD56, CD25, HLA-DR, CD57 TCR $\alpha\beta$ , TCR $\gamma\delta$ , CD34, CD26, CD27	Beckman Coulter Navios Flow Cytometer LP-HAE-I-FLOWPANELS
EDTA Whole Blood Bone Marrow Aspirates Body Fluids	Flow Cytometric Immunophenotyping for cytoplasmic & nuclear antigens CytCD3, cytCD79a, cytMPO, cytTdT	Beckman Coulter Navios Flow Cytometer LP-HAE-I-INTRAS



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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:
	Fetal Anomaly Screening (FASP)	Documented in-house methods to meet the requirements of the Fetal anomaly screening programme as defined in the NHS Fetal anomaly screening: Laboratory QA evidence requirements.
Serum	BHCG	Delfia Xpress Immunoassay analyser LPR-BSL-S- XPRESS
Serum	PAPP-A	Delfia Xpress Immunoassay analyser LPR-BSL-S- XPRESS
	Newborn Blood Spot Screening (NBS)	Documented in-house methods to meet the requirements of the Newborn blood spot screening programme as defined in the 'NHS Newborn bloodspot screening: Laboratory QA evidence requirements.
Bloodspots	TSH IRT	Autodelfia Immunoassay analyser Immunoassay (DELFI A) LPR-BSL-S-TSH
Bloodspots	Haemoglobin variants (new-born screening)	BioRad HPLC VNBS SOP: LPR-BSL-S-VNBS HPLC
	<u>Special Biochemistry</u>	
EDTA Whole Blood	Cyclosporin	Waters Tandem Mass Spectrometry BSL-SB-IMMUNOSUPPRESSANT
EDTA Whole Blood	Tacrolimus	Waters Tandem Mass Spectrometry BSL-SB-IMMUNOSUPPRESSANT



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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:
	<u>Special Biochemistry</u> (cont'd)	
Cerebrospinal Fluid	Xanthochromia	UV/Vis Spectrophotometer LPR-BSL-M-XANTHOCHROMIA Scanning UV/Vis
Renal and Gall Stones	Calculi analysis for chemical constitution	Nicolet i S10 FT-IR spectrophotometer LPR-BSL-SB-STONE
Serum	Protein electrophoresis	Helena V8 LPR-BSL-I-SPE
Serum	Immunotyping	Helena V8 LPR-BSL-I-SPE LPR-BSL-I-BJP
Serum Urine	Immunofixation	Helena V8, Helena SAS3 & SAS4 LPR-BSL-I-SPE
Urine	Bench Jones Protein	Helena V8, Helena SAS3 & SAS4 LPR-BSL-I-BJP LPR-BSL-I-SPE
Serum	Serum light free chains	Binding site Optilite LPR-BSL-I-OPTI
Serum Urine	Osmolality	Advanced Instruments Osmometer LPR-BSL-SB-OSMOPRO
Faeces	Calprotectin	Phadia UniCap 250 LPE-BSL-SB-Calprotectin immunoassay
Serum	Tryptase	Phadia UniCap 250 LI-BSL-M-TRYPTASE CAP immunoassay
Faeces	Faecal Immunochemical Testing (FIT)	Roche C702 LPR-BSL-AB-C702 LPR-BSL-SB-FITRoche FOB Gold NG



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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:
	<u>Special Biochemistry</u> (cont'd)	
Serum	Alanine Aminotransferase (ALT)	Roche c702: LPR-BSL-AB-C702 IFCC PYP/UV absorbance
Serum	Albumin	Roche c702: LPR-BSL-AB-C702 Colorimetric BCP
Serum	Alcohol (Ethanol)	Roche c702: LPR-BSL-AB-C702 Enzymatic with alcoholdehydrogenase
	<u>Automated Biochemistry</u>	
Serum	Alkaline Phosphatase (ALP)	Colorimetric/ Roche c702: LPR-BSL-AB-C702 Colorimetric
Serum	Procalcitonin	Roche E801 LPR-BSL-AB-E801
Serum	Rheumatoid factor	Roche E801 LPR-BSL-AB-E801
Serum	BNP	Roche E801 LPR-BSL-AB-E801
Serum	Thyroglobulin	Roche E801 LPR-BSL-AB-E801
Serum	Alpha-1-Antitrypsin (AAT)	Roche c702: LPR-BSL-AB-C702 Immunoturbidometric
Serum	Alpha fetoprotein (AFP)	Roche e801: LPR-BSL-AB-E801 ECL/Sandwich
Serum	Amylase	Roche c702: LPR-BSL-AB-C702 Enzymatic Colorimetric
EDTA Plasma	Ammonia	Roche c702: LPR-BSL-AB-C702 Enzymatic
Serum	Aspartate Aminotransferase (AST)	Roche c702: LPR-BSL-AB-C702 IFCC PYP UV absorbance



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)</u> <u>Automated Biochemistry</u>	In house documented procedures incorporating manufacturers' instructions where relevant using the following instrumentation and methodology:
Serum	Anti-thyroglobulin	Roche e801: LRP-BSL-AB-E801 ECL/Sandwich
Serum	Beta-2-Microglobulin (B2M)	Roche c702:LPR-BSL-AB-C702 Immunoturbidimetric
Serum	Beta-Human Chorionic Gonadotropin (BHCG)	Roche e801: LRP-BSL-AB-E801 ECL/Sandwich
Serum	Bicarbonate (CO2)	Roche c702: LPR-BSL-AB-C702 Absorbance
Serum	Bile acids	Roche c702: LPR-BSL-AB-C702 Enzymatic colorimetric assay
Serum	N-Terminal B-Type Natriuretic Peptide (BNP)	Roche e801: LRP-BSL-AB-E801 ECL/Sandwich
Serum	Cancer Antigen 15-3 (CA15-3)	Roche e801: LRP-BSL-AB-E801 ECL/Sandwich
Serum	Carbohydrate Antigen 19-9 (CA19-9)	Roche e801: LRP-BSL-AB-E801 ECL/Sandwich
Serum	Cancer antigen 12-5 (CA125) Calcium	Roche e801: LRP-BSL-AB-E801 ECL/Sandwich
Serum	Calcium	Roche c702: LPR-BSL-AB-C702 Photometrical
Serum	Carbamazepine	Roche c702: LPR-BSL-AB-C702 KIMS
Serum	Caeruloplasmin	Roche c702: LPR-BSL-AB-C702 Immunoturbidimetric
Serum	Carcinoembryonic antigen (CEA)	Roche e801: LRP-BSL-AB-E801 ECL/Sandwich
Serum	Chloride	Roche c702 : LPR-BSL-AB-C702 Indirect ISE ion exchanger membrane



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)</u> <u>Automated Biochemistry (cont'd)</u>	In house documented procedures incorporating manufacturers' instructions where relevant using the following instrumentation and methodology:
Serum	Cholesterol	Roche c702: LPR-BSL-AB-C702 Enzymatic,/Colorimetric
Serum	Creatine Kinase (CK)	Roche c702: LPR-BSL-AB-C702 UV
Serum	Complement C3	Roche c702: LPR-BSL-AB-C702 Immunoturbidimetric
Serum	Complement C4	Roche c702: LPR-BSL-AB-C702 Immunoturbidimetric
Serum	Conjugated bilirubin	Roche c702: LPR-BSL-AB-C702 Vandate oxidation
Serum	Cortisol	Roche e801: LRP-BSL-AB-E801 ECL/Competition
Serum	C-Peptide	Roche e801: LRP-BSL-AB-E801 ECL/Sandwich
Serum	C-Reactive Protein (CRP)	Roche c702: LPR-BSL-AB-C702 Particle Enhanced Immunoturbidimetric
Serum	Creatinine	Roche c702: LPR-BSL-AB-C702 Enzymatic Colorimetric
Serum	Dehydroepiandrosterone (DHEA)	Roche e801: LRP-BSL-AB-E801 ECL/Competition
Serum	Digoxin	Roche c702: LPR-BSL-AB-C702 KIMS
Serum	Ferritin	Roche e801: LRP-BSL-AB-E801 ECL/Sandwich
Serum	Free-T3	Roche e801: LRP-BSL-AB-E801 ECL/Competition



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Serum	Free-T4	Roche e801: LRP-BSL-AB-E801 Competitive immunoassay
Serum	Folate	Roche e801: LRP-BSL-AB-E801 ECL/Competition
Serum	Follicle Stimulating Hormone (FSH)	Roche e801: LRP-BSL-AB-E801 ECL/Sandwich
Serum	Gamma-Glutamyl Transferase (GGT)	Roche c702: LPR-BSL-AB-C702 IFCC Enzymatic Colorimetric
Serum	Gentamicin	Roche e801: LPR-BSL-AB-E801 Cloned enzyme donor immunoassays
Serum	Glucose	Roche c702: LPR-BSL-AB-C702 Enzymatic UV, Hexokinase
Serum	Growth Hormone (hGH)	Roche e801: LRP-BSL-AB-E801 ECL/Sandwich
Serum	Haptoglobin	Roche c702: LPR-BSL-AB-C702 Immunoturbidimetric
Serum	Human Chorionic Gonadotropin (HCG)	Roche e801: LRP-BSL-AB-E801 ECL/Sandwich
Serum	High Density Lipoprotein (HDL) Cholesterol	Roche c702: LPR-BSL-AB-C702 Homogeneous enzymatic colorimetric
Serum	High sensitivity Oestradiol (hs-E2)	Roche c702: LPR-BSL-AB-C702 Colorimetric Diazo
Serum	IgA	Roche c702: LPR-BSL-AB-C702 Immunoturbidimetric
Serum	IgG	Roche c702: LPR-BSL-AB-C702 Immunoturbidimetric



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Serum	IgM	Roche c702: LPR-BSL-AB-C702 Immunoturbidimetric
Serum	Insulin	Roche e801: LRP-BSL-AB-E801 ECL/Sandwich
Serum	Intact-Parathyroid Hormone (PTH)	Roche e801: LRP-BSL-AB-E801 ECL/Sandwich
Serum	PTH (Intra-operative)	Roche e801: LRP-BSL-AB-E801 ECL/Sandwich
Serum	Iron	Roche c702: LPR-BSL-AB-C702 Colorimetric
Fluoride Oxalate Plasma	Lactate	Roche c702: LPR-BSL-AB-C702 Colorimetric
Serum Cerebrospinal Fluid	Lactate Dehydrogenase (LDH)	Roche c702: LPR-BSL-AB-C702 UV
Serum	Luteinizing Hormone (LH)	Roche e801: LRP-BSL-AB-E801 ECL/Sandwich
Serum	Lithium	Roche c702: LPR-BSL-AB-C702 Colorimetric
Serum	Magnesium	Roche c702: LPR-BSL-AB-C702 Colorimetric endpoint
Serum	Paracetamol	Roche c702: LPR-BSL-AB-C702 KIMS
Serum	Phenobarbitone	Roche c702: LPR-BSL-AB-C702 Colorimetric
Serum	Phenytoin	Roche c702: LPR-BSL-AB-C702 KIMS
Serum	Phosphate	Roche c702: LPR-BSL-AB-C702 Molybdate UV



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

**Portsmouth Hospitals University NHS Trust**

Issue No: 019 Issue date: 15 April 2026

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)</u> <u>Automated Biochemistry (cont'd)</u>	In house documented procedures incorporating manufacturers' instructions where relevant using the following instrumentation and methodology:
Serum	Potassium	Roche c702 : LPR-BSL-AB-C702 Indirect ISE membrane
Serum	Procalcitonin	Roche e801: LRP-BSL-AB-E801 ECL/Sandwich
Serum	Progesterone	Roche e801: LRP-BSL-AB-E801 ECL/Competition
Serum	Prolactin	Roche e801: LRP-BSL-AB-E801 ECL/Sandwich
Serum	Rheumatoid Factor	Roche c702: LPR-BSL-AB-C702 Homogeneous enzyme immunoassay
Serum	Salicylate	Roche c702: LPR-BSL-AB-C702 UV Absorbance
Serum	Total Prostate Specific Antigen (PSA)	Roche e801: LRP-BSL-AB-E801 ECL/Sandwich
Serum	Tobramycin	Roche c702: LPR-BSL-AB-C702 Immunoturbidimetric
Serum	Sex Hormone Binding Globulin (SHBG)	Roche e801: LRP-BSL-AB-E801 ECL/Sandwich
Serum	Sodium	Roche c702 : LPR-BSL-AB-C702 Indirect ISE neutral carrier membrane
Serum	Testosterone	Roche e801: LRP-BSL-AB-E801 ECL/Competition
Serum	Theophylline	Roche c702: LPR-BSL-AB-C702 KIMS/Roche
Serum	Thyroglobulin	Roche e801: LRP-BSL-AB-E801 ECL/Sandwich



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)</u> <u>Automated Biochemistry (cont'd)</u>	In house documented procedures incorporating manufacturers' instructions where relevant using the following instrumentation and methodology:
Serum	Total Bilirubin	Roche e801: LRP-BSL-AB-E801 ECL/Competition
Serum	Total Protein	Roche c702: LPR-BSL-AB-C702 Colorimetric
Serum	Transferrin	Roche c702: LPR-BSL-AB-C702 Immunoturbidimetric
Serum	Triglyceride	Roche c702: LPR-BSL-AB-C702 Enzymatic Colorimetric
Serum	High sensitivity Troponin T	Roche e801: LRP-BSL-AB-E801 ECL/Sandwich
Serum	Thyroid Stimulating Hormone (TSH)	Roche e801: LRP-BSL-AB-E801 ECL/Sandwich
Serum	Urate	Roche c702: LPR-BSL-AB-C702 Enzymatic colorimetric
Serum	Urea	Roche c702: LPR-BSL-AB-C702 Kinetic test with urease and glutamate dehydrogenase
Serum	Valproate	Roche c702: LPR-BSL-AB-C702 Homogeneous enzyme immunoassay
Serum	Vancomycin	Roche c702: LPR-BSL-AB-C702 Homogeneous enzyme immunoassay
Serum	Vitamin B12	Roche e801: LRP-BSL-AB-E801 ECL/Competition
Serum	Vitamin D	Roche e801: LRP-BSL-AB-E801 ECL/Competition
Urine	Calcium Creatinine Ratio	Calculated
Serum	CAPD Creatinine (Correct)	Calculated



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)</u> <u>Automated Biochemistry (cont'd)</u>	In house documented procedures incorporating manufacturers' instructions where relevant using the following instrumentation and methodology:
Serum	Creat/Clear	Calculated
Serum	Estimated GFR (Females)	Calculated
Serum	Estimated GFR (Males)	Calculated
Serum	Lo.Dens.Lip (LDL)	Calculated
Urine	Protein Creatinine Ratio	Calculated
Serum	Free Testosterone	Calculated
Serum	Free Androgen Index	Calculated
Serum	Total Chol / HDL Chol Ratio	Calculated
Urine	Amylase	Roche c702: LPR-BSL-AB-C702 Enzymatic colorimetric
Urine	Albumin	Roche c702:LPR-BSL-AB-C702 Immunoturbidimetric
Urine	Calcium	Roche c702: LPR-BSL-AB-C702 Photometrical
Urine	Chloride	Roche c702: LPR-BSL-AB-C702 Indirect ISE ion exchanger membrane
Urine	Creatinine	Roche c702: LPR-BSL-AB-C702 Enzymatic colorimetric
Urine	Magnesium	Roche c702: LPR-BSL-AB-C702 Colorimetric endpoint
Urine	Phosphate	Roche c702: LPR-BSL-AB-C702 Molybdate UV
Urine	Potassium	Roche c702 LPR-BSL-AB-C702 Indirect ISE neutral carrier membrane



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)</u> <u>Automated Biochemistry (cont'd)</u>	In house documented procedures incorporating manufacturers' instructions where relevant using the following instrumentation and methodology:
Urine	Protein	Roche c702: LPR-BSL-AB-C702 Turbidimetric
Urine	Sodium	Roche c702 : LPR-BSL-AB-C702 Indirect ISE neutral carrier membrane
Urine	Urate	Roche c702: LPR-BSL-AB-C702 Enzymatic colorimetric
Serum	Urea	Roche c702: LPR-BSL-AB-C702 Kinetic test with urease and glutamate dehydrogenase
Cerebrospinal Fluid	Glucose	Roche c702: LPR-BSL-AB-C702 Enzymatic UV Hexokinase
Cerebrospinal Fluid	Total Protein	Roche c702: LPR-BSL-AB-C702 Turbidimetric



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Immunology examination activities for the purpose of clinical diagnosis</u>	In house documented procedures incorporating manufacturers' instructions where relevant using the following instrumentation and methodology:
	<u>Autoimmune Serology</u>	
Serum	Adrenal Gland Antibody	Inova tissue slides Indirect Immunofluorescence ASP-1200 & manual preparation LPR-BSL-I-IIF
Serum	Anti Sm	Dynex DS 2 Organtec Kit LPR-BSL-I-ENAP Automated ELISA
Serum	Cardiolipin Abs. IgG	Dynex DS 2 Organtec Kit LPR-BSL-I-CARDIOLIPIN Automated ELISA
Serum	ENA Profile (Recombinant)	Euroline ANA Profile 3 Kit LPR-BSL-I-INNO Manual Immunoblot
Serum	HEp-2 cell ANA pattern	Inova tissue slides ASP-1200 & manual preparation LPR-BSL-I-IIF Indirect Immunofluorescence
Serum	Autoimmune Liver Panel (Smooth muscle/Mitochondrial/LKM/ANA)	Biosystems tissue slides LPR-BSL-I-IIF Indirect Immunofluorescence
Serum	Autoimmune Liver Titre	Inova slides manual preparation LPR-BSL-I-IIF Indirect Immunofluorescence
Serum	Perinuclear ANCA	Inova tissue slides LPR-BSL-I-IIF Indirect Immunofluorescence



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Immunology 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:
Serum	<u>Autoimmune Serology</u> (cont'd) Skin Autoantibodies IgG	Inova tissue slides manual preparation LPR-BSL-I-IIF Indirect Immunofluorescence
Serum	Cyclic citrullinated peptide CCP (Titre)	Phadia UniCap 250 LPR-BSL-I-CCP CAP/ELiA immunoassay
Serum	<u>Allergy Testing</u>  IgE to Almonds IgE to Amoxicilloyl IgE to Apple IgE to Aspergillus IgE to Banana IgE to Barley IgE to Bee venom IgE to Beef IgE to Brazil nut IgE to Cage Birds IgE to Carrot IgE to Cashew IgE to cat epithelium IgE to Chicken Meat IgE to Cladosporium IgE to Coconut IgE to Codfish IgE to Crab IgE to Chocolate/Cocoa IgE to Cherry IgE to Cheddar type Cheese IgE to Dog dander IgE to Egg IgE to Gluten IgE to Grape IgE to Grass pollen (gx1) IgE to Hazelnut IgE to horse dander	Phadia UniCap 250 LPR-BSL-I-IC250, LPR-BSL-I-SIGE CAP/ELiA immunoassay



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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><u>Allergy Testing</u> (cont'd)</p> <p>IgE to House Dust Mite            IgE to Kiwi Fruit            IgE to Latex            IgE to Lentil            IgE to Milk            IgE to Oats            IgE to Onion            IgE to Oranges            IgE to Peach            IgE to peanut            IgE to Ara h2            IgE to Ara h8            IgE to Bet v1            IgE to Pear            IgE to Pecan Nuts            IgE to Penicillin G            IgE to Penicillin V            IgE to Pine Nut            IgE to Pityrosporum            IgE to Potato            IgE to Rodent mixture            IgE to Salmon            IgE to Shrimp            IgE to Strawberries            IgE to Tree mixture (tx8)            IgE to Walnut            IgE to wheat            Total IGE            IgG to Budgerigar</p>	<p>In house documented procedures incorporating manufacturers' instructions where relevant using the following instrumentation and methodology:</p> <p>Phadia UniCap 250            LPR-BSL-I-IC250, LPR-BSL-I-SIGE            CAP/ELiA immunoassay</p>
<p>END</p>		