


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

|   |   |   |
|---|---|---|
| <br><b>8376</b><br><b>Accredited to<br/>ISO 15189:2022</b> | <b>University Hospitals of Leicester NHS Trust</b>  |   |
|   | <b>Issue No:</b> 011 <b>Issue date:</b> 31 March 2025   |   |
|   | <b>Blood Sciences Laboratory</b><br>Leicester Royal Infirmary<br>Leicester Royal Infirmary Square<br>Leicester<br>LE1 5WW | <b>Contact:</b> Yusuf Sidat<br><b>Tel:</b> +44 (0) 781 249 3296<br><b>E-Mail:</b> yusuf.sidat@uhl-tr-nhs.uk<br><b>Website:</b> www.uhl.nhs.uk |
| <b>Testing performed by the Organisation at the locations specified below</b>   |   |   |

### Laboratory locations:

| Location details  |                                     | Activity  | Location code |
|---|-------------------------------------|---|---------------|
| <b>Address</b><br>Leicester Royal Infirmary<br>Leicester Royal Infirmary Square<br>Leicester<br>LE1 5WW       | <b>Local contact</b><br>Yusuf Sidat | Haematology<br>Blood Transfusion<br>Chemistry<br>Toxicology<br>Special Chemistry<br>Immunology<br>Special Haematology | LRI           |
| Glenfield Hospital<br>Groby Road<br>Leicester<br>LE3 9QP  | <b>Local contact</b><br>Yusuf Sidat | Haematology<br>Blood Transfusion<br>Chemistry   | GH            |
| Leicester General Hospital<br>Gwendolen Road<br>Leicester<br>LE5 4PW  | <b>Local contact</b><br>Yusuf Sidat | Haematology<br>Blood Transfusion<br>Chemistry   | LGH           |
| Emergency Department<br>Leicester Royal Infirmary<br>Leicester Royal Infirmary Square<br>Leicester<br>LE1 5WW | <b>Local contact</b><br>Yusuf Sidat | Haematology<br>Chemistry  | ED            |



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**Site Activities performed away from the above locations:**

| Location details  | Activity  | Location code |
|---|---|---------------|
| <p>Theatres – 2nd Floor Balmoral Building<br/>Maternity Blood Fridge – 4th Floor<br/>Kensington Building<br/>ED<br/>Haematology Day Ward<br/>Leicester Royal Infirmary<br/>Leicester Royal Infirmary Square<br/>Leicester LE1 5WW</p> <p align="right"><b>Local contact</b><br/>Yusuf Sidat</p> | <p>Blood Issue Fridges<br/>No testing occurs at this location</p> | E             |
| <p>ITU Blood Fridge and<br/>Cardiac Theatre Blood Fridge<br/>Glenfield Hospital<br/>Groby Road<br/>Leicester LE3 9QP</p> <p align="right"><b>Local contact</b><br/>Yusuf Sidat</p>  | <p>Blood Issue Fridge<br/>No testing occurs at this location</p>  | F             |
| <p>Main Theatre<br/>Orthopaedic Theatre<br/>Maternity<br/>Leicester General Hospital<br/>Gwendolen Road<br/>Leicester LE5 4PW</p> <p align="right"><b>Local contact</b><br/>Yusuf Sidat</p>   | <p>Blood Issue Fridge<br/>No testing occurs at this location</p>  | G             |
| <p>LOROS Hospice<br/>Clean Utility room (Back Corridor)<br/>Groby Road<br/>Leicester LE3 9QE</p> <p align="right"><b>Local contact</b><br/>Yusuf Sidat</p>  | <p>Blood Issue Fridge<br/>No testing occurs at this location</p>  | 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> | In house documented procedures based on equipment manuals and standard methods as specified below: |                  |
|                           | <u>General chemistry</u>  | Siemens Atellica CH using the following measurement principles and SOP PR4023:                     |                  |
| Plasma, Serum             | Alanine Transaminase  | TRIS buffer without PLP  | LRI LGH<br>GH ED |
| Plasma, Serum             | Albumin   | Bromocresol green (BCG)  | LRI LGH<br>GH ED |
| Urine                     | Albumin   | PEG-enhanced immunoturbidimetric   | LRI              |
| Plasma, Serum             | Alkaline Phosphatase  | Modified IFCC  | LRI LGH<br>GH ED |
| Serum                     | Alpha 1 anti-trypsin  | PEG enhanced immunoturbidimetric   | LRI              |
| Plasma                    | Ammonia   | Enzymatic  | LRI              |
| Plasma, Serum             | Amylase   | Ethylidene Blocked-pNPG7;PR4023  | LRI LGH<br>GH ED |
| Urine                     | Amylase   | Ethylidene Blocked-pNPG7;PR4023  | LRI              |
| Serum                     | Apolipoprotein A1   | PEG enhanced immunoturbidimetric   | LRI              |
| Serum                     | Apolipoprotein B  | PEG enhanced immunoturbidimetric   | LRI              |
| Plasma, Serum             | Aspartate Transaminase  | Modified IFCC  | LRI LGH<br>GH    |



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| HUMAN BODY FLUIDS         | <u>Biochemistry examination activities for the purposes of clinical diagnosis</u> (contd) | Siemens Atellica CH using the following measurement principles and SOP PR4023: |               |
| Serum                     | Beta 2 Microglobulin  | Latex enhanced immunoturbidimetric   | LRI           |
| Plasma, Serum             | Bicarbonate   | Phosphoenolpyruvate carboxylase (PEPC)   | LRI LGH GH    |
| Plasma, Serum             | Bile Acids  | Colorimetric   | LRI           |
| Plasma, Serum             | Bilirubin-Total   | Vanadate oxidation   | LRI LGH GH ED |
| Plasma, Serum             | C Reactive Protein  | Latex enhanced immunoturbidimetric   | LRI LGH GH ED |
| Plasma, Serum             | Calcium   | Arsenazo III - Colorimetric  | LRI LGH GH ED |
| Urine                     | Calcium   | Arsenazo III - Colorimetric  | LRI           |
| Serum                     | Carbamazapine   | Particle-enhanced turbidimetric inhibition                                     | LRI           |
| Urine                     | Chloride  | Indirect ISE   | LRI           |
| Plasma, Serum             | Chloride  | Indirect ISE   | LRI LGH GH ED |
| Plasma, Serum             | Cholesterol   | Cholesterol esterase   | LRI LGH GH    |
| Plasma, Serum             | Conjugated Bilirubin  | Vanadate oxidation   | LRI LGH GH    |
| Plasma, Serum             | Creatine Kinase   | NAC Activated, IFCC  | LRI LGH GH ED |
| Urine                     | Creatinine  | Compensated Kinetic Jaffe  | LRI           |



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| HUMAN BODY FLUIDS         | <u>Biochemistry examination activities for the purposes of clinical diagnosis</u> (contd) | Siemens Atellica CH using the following measurement principles and SOP PR4023: |               |
| Plasma, Serum             | Creatinine  | Compensated Kinetic Jaffe  | LRI LGH GH ED |
| Plasma, Serum             | Enzymatic Creatinine  | Enzymatic  | LRI LGH GH ED |
| Plasma, Serum             | Ethanol   | Enzymatic  | LRI ED        |
| Serum                     | Fructosamine  | Fructosaminase Enzymatic end point   | LRI           |
| Plasma, Serum             | Gamma-glutamyl transferase  | Modified IFCC  | LRI LGH GH    |
| Plasma, Serum             | Gentamycin  | Particle-enhanced turbidimetric inhibition                                     | LRI           |
| CSF                       | Glucose   | Hexokinase + G6PD  | LRI           |
| Plasma, Serum             | Glucose   | Hexokinase + G6PD  | LRI LGH GH ED |
| Serum                     | Haptoglobin   | PEG enhanced immunoturbidimetric   | LRI           |
| Plasma, Serum             | HDL Cholesterol   | Elimination/catalase   | LRI LGH GH    |
| Plasma, Serum             | Inorganic Phosphate   | Phosphomolybdate UV  | LRI LGH GH ED |
| Plasma, Serum             | Iron  | Ferrozine  | LRI LGH GH    |
| CSF                       | Lactate   | Lactate oxidase to pyruvate and hydrogen peroxide                              | LRI           |
| Plasma                    | Lactate   | Lactate oxidase to pyruvate and hydrogen peroxide                              | LRI           |



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| HUMAN BODY FLUIDS         | <u>Biochemistry examination activities for the purposes of clinical diagnosis</u> (contd) | Siemens Atellica CH using the following measurement principles and SOP PR4023: |               |
| Plasma, Serum             | Lactate Dehydrogenase   | Lactate / NAD  | LRI LGH GH    |
| Serum                     | Lithium   | Colorimetric endpoint chemistry  | LRI           |
| Plasma, Serum             | Magnesium   | Xylidyl Blue   | LRI LGH GH ED |
| Plasma, Serum             | Methotrexate  | Immunoturbidimetric  | LRI           |
| Plasma, Serum             | Paracetamol   | Colorimetric acyl amidohydrolase   | LRI ED        |
| Serum                     | Phenobarbitone  | Particle-enhanced turbidimetric inhibition                                     | LRI           |
| Serum                     | Phenytoin   | Particle-enhanced turbidimetric inhibition                                     | LRI           |
| Urine                     | Phosphate   | Phosphomolybdate UV  | LRI           |
| Urine                     | Potassium   | Indirect ISE   | LRI           |
| Plasma, Serum             | Potassium   | Indirect ISE   | LRI LGH GH ED |
| CSF                       | Protein   | Pyrogallol / Sodium Molybdate dye binding                                      | LRI           |
| Urine                     | Protein   | Pyrogallol / Sodium Molybdate dye binding                                      | LRI           |
| Plasma, Serum             | Salicylate  | Colorimetric   | LRI ED        |
| Plasma, Serum             | Sodium  | Indirect ISE   | LRI LGH GH ED |
| Urine                     | Sodium  | Indirect ISE   | LRI           |
| Serum                     | Theophylline  | Particle-enhanced turbidimetric inhibition                                     | LRI           |



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| HUMAN BODY FLUIDS         | <u>Biochemistry examination activities for the purposes of clinical diagnosis (contd)</u> | Siemens Atellica CH using the following measurement principles and SOP PR4023: |               |
| Plasma, Serum             | Tobramycin  | Particle-enhanced turbidimetric inhibition                                     | LRI           |
| Plasma, Serum             | Total Protein   | Biuret   | LRI LGH GH ED |
| Plasma, Serum             | Transferrin   | PEG-enhanced immunoturbidimetric   | LRI LGH GH    |
| Plasma, Serum             | Triglyceride  | GPO  | LRI LGH GH    |
| Urine                     | Urate   | Uricase/Peroxidase   | LRI           |
| Plasma, Serum             | Urea  | Kinetic Urease   | LRI LGH GH ED |
| Urine                     | Urea  | Kinetic Urease   | LRI           |
| Plasma, Serum             | Uric Acid   | Uricase/Peroxidase   | LRI LGH GH    |
| Serum                     | Valproate   | Particle-enhanced turbidimetric inhibition                                     | LRI           |
| Plasma, Serum             | Vancomycin  | Particle-enhanced turbidimetric inhibition                                     | LRI           |



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| HUMAN BODY FLUIDS         | <u>Biochemistry examination activities for the purposes of clinical diagnosis</u> | In house documented procedures based on equipment manuals and standard methods as specified below:<br><br>Siemens Atellica IM using the following measurement principles and SOP PR4023: |               |
| Serum                     | 17-Beta Oestradiol  | Competitive ECLIA  | LRI           |
| Serum                     | Alpha Foetoprotein (TM)   | Two-site sandwich ECLIA  | LRI           |
| Serum                     | Androstenedione   | Competitive ECLIA  | LRI           |
| Serum                     | Brain Natriuretic Peptide   | Two-site sandwich ECLIA  | LRI           |
| Serum                     | CA 125 antigen  | Two-site sandwich ECLIA  | LRI GH        |
| Serum                     | CA15.3 antigen  | Two-site sandwich ECLIA  | LRI           |
| Serum                     | CA19.9 antigen  | Two-site sandwich ECLIA  | LRI GH        |
| Serum                     | Carcino-embryonic antigen   | Two-site sandwich ECLIA  | LRI           |
| Serum                     | Cortisol  | Competitive ECLIA  | LRI           |
| Serum                     | Digoxin   | Competitive ECLIA  | LRI GH        |
| Plasma, Serum             | Ferritin  | Two-site sandwich ECLIA  | LRI GH        |
| Serum                     | Folate  | Competitive ECLIA  | LRI           |
| Serum                     | Follicle Stimulating Hormone  | Two-site sandwich ECLIA  | LRI GH        |
| Serum                     | Free T3   | Competitive ECLIA  | LRI           |
| Plasma, Serum             | Free Thyroxine  | Competitive ECLIA  | LRI           |
| Serum                     | Luteinising Hormone   | Two-site sandwich ECLIA  | LRI           |
| Serum                     | P111NP  | Two-site sandwich ECLIA  | LRI           |





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| HUMAN BODY FLUIDS         | <u>Biochemistry examination activities for the purposes of clinical diagnosis</u>   | Siemens Atellica IM using the following measurement principles and SOP PR4023: |               |
| Serum                     | Parathyroid Hormone   | Two-site sandwich ECLIA  | LRI GH        |
| Serum                     | Procalcitonin   | Two-site sandwich ECLIA  | LRI           |
| Serum                     | Progesterone  | Competitive ECLIA  | LRI           |
| Serum                     | Prolactin   | Two-site sandwich ECLIA  | LRI           |
| Serum                     | Prostate Specific Antigen   | Two-site sandwich ECLIA  | LRI           |
| Serum                     | Sex Hormone Binding Globulin  | Two-site sandwich ECLIA  | LRI           |
| Serum                     | Testosterone  | Competitive ECLIA  | LRI           |
| Plasma, Serum             | Thyroid Stimulating Hormone   | Two-site sandwich ECLIA  | LRI           |
| Serum                     | Total HCG   | Two-site sandwich ECLIA  | LRI           |
| Plasma                    | Troponin I (TNIH)   | Two-site sandwich ECLIA  | LRI GH        |
| Plasma, Serum             | Vitamin B12   | Competitive ECLIA  | LRI           |
| Plasma, Serum             | Vitamin D   | Competitive ECLIA  | LRI GH<br>ED  |
|                           | <u>Calculated tests:</u>  |  | LRI           |
| Plasma, Serum             | Adjusted Calcium<br>Acute Kidney Injury (AKI)<br>Cholesterol:HDL ratio<br>eGFR<br>Free Androgen Index (FAI)<br>Globulins<br>LDL Cholesterol<br>Macroprolactin<br>Transferrin Saturation |  |               |
| Urine                     | 24 hour Urine Volume  | Metrologically Calibrated Balance  | LRI           |



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| HUMAN BODY FLUIDS         | <u>Biochemistry examination activities for the purposes of clinical diagnosis</u>   | In house documented procedures based on equipment manuals and standard methods as specified below: |               |
| Urine                     | <u>Calculated tests (contd):</u><br>24 hour Urine Amylase<br>24 hour Urine Calcium<br>24 hour Urine Chloride<br>24 hour Urine Creatinine<br>24 hour Urine Phosphate<br>24 hour Urine Potassium<br>24 hour Urine Protein<br>24 hour Urine Sodium<br>24 hour Urine Urate<br>24 hour Urine Urea<br>Urine Albumin/Creatinine ratio.<br>Urine Calcium/Creatinine ratio<br>Urine Total Protein/Creatinine ratio |  | LRI           |
| Blood<br>Urine            | Osmolality  | Osmo-1, Advanced Instruments, freezing point depression PR4070                                     | 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:<br>FBC<br>White Blood Cells<br>Red Blood Cells<br>Haemoglobin<br>Haematocrit<br>Mean Cell Volume<br>Mean Cell Haemoglobin<br>Mean Cell Haemoglobin Concentration<br>Platelet Count<br>Reticulocytes<br>Neutrophils<br>Lymphocytes<br>Monocytes<br>Eosinophils<br>Basophils<br>NRBC<br>RDW<br>CHr | Siemens Advia 2120i, Optical cytometry PR1682   | LRI, ED, GH, LGH |
| Blood                      | Detection of Epstein Barr (Glandular Fever)   | Dialab Diaquick Lateral Flow Immunoassay – PR4008   | LRI              |
| Blood                      | Screen for malarial parasites <i>P. falciparum</i> , <i>P. vivax</i> , <i>P. malariae</i> & <i>P. ovale</i>   | Care US 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              |
| Blood                      | Confirmation of malarial parasite   | Malaria parasite identification and parasitaemia by Microscopy PR 3589  | LRI              |
| Blood                      | Morphology  | Leica Microscopes PR 1689   | LRI, GH, LGH     |



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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                      | 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              |
| Blood                      | PT<br>INR<br>APTT<br>APTTR<br>Thrombin Time<br>Fibrinogen<br>D Dimer                     | Stago-Star Max 2 PR3246  | LRI, GH, LGH, ED |
| Plasma – Citrate           | Heparin Quantification   | Stago Star Max Chromogenic method PR3948   | LRI, GH, LGH     |



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| Whole Blood: EDTA samples | <u>Blood Transfusion examination activities for the purpose of clinical diagnosis</u><br><br>Blood Grouping <ul style="list-style-type: none"> <li>A B O</li> <li>Rhesus D status</li> </ul>  | Documented in house methods and manufacturer's instructions for<br><br>Biorad IH-1000 – PR4007<br>Manual method - PR1531 | LRI, GH, LGH  |
| Plasma                    | Antibody Screening: <ul style="list-style-type: none"> <li>Rh C,D,E,c,e,</li> <li>Kell K,k,</li> <li>Duffy Fya, Fyb</li> <li>MNSs M,N,S,s</li> <li>Kidd Jka, Jkb</li> <li>Lewis Le(a), Le(b)</li> <li>Lutheran</li> <li>CWillis Cw</li> </ul> | Manual Method BioRad Gel Cards, Incubator and Centrifuge– PR1531   | LRI, GH, LGH  |
| Plasma                    | 3-Cell Panel Antibody Screening   | Biorad IH-1000 – PR4007  | LRI, GH, LGH  |
| Plasma                    | 11-Cell Panel Antibody Identification   | Biorad IH-1000 – PR4007  | LRI, GH, LGH  |
| Whole Blood and plasma    | Antigen phenotyping:<br><br>C, c, E, e, K, Fya, Fyb, Jka, Jkb, M, N, S, s   | Biorad IH-1000 – PR4007<br><br>Blood Transfusion Red Cell Phenotyping Manual - PR3055                                    | LRI, GH, LGH  |
| EDTA Whole Blood          | Blood group and antibody screening:<br>A Positive<br>A Negative<br>B Positive<br>B Negative<br>O Positive<br>O Negative<br>AB Positive<br>AB Negative   | BioRad IH500 – PR-4087   | LRI           |



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| EDTA Whole Blood          | <u>Blood Transfusion examination activities for the purpose of clinical diagnosis</u><br><br>Antibody identification: <ul style="list-style-type: none"> <li>• Rh: D, C, E, c, e, f, V, CW</li> <li>• Kell: K, k, kpa, kpb, Jsa, Jsb</li> <li>• Duffy: Fya, Fyb</li> <li>• Kidd: Jka, Jkb</li> <li>• Lewis: Lea, Leb P: P1</li> <li>• MNS: M, N, S, s</li> <li>• Luth: Lua, Lub Xy: Xya</li> </ul> | Documented in house methods and manufacturer's instructions for<br><br>BioRad IH500 – PR3054                    | LRI           |
| EDTA Whole Blood          | Phenotyping:<br>Rh – C,c,E,e; K  | BioRad IH500 – PR3055   | LRI           |
| EDTA Red Cells and Plasma | Cross Matching   | Manual Method method by column agglutination –BioRad Gel Cards PR1531 Manual Cross matching and blood selection | LRI, GH, LGH  |
| Blood                     | Direct AHG test  | Manual Method by column agglutination – BioRad Gel Cards – PR3054   | LRI, GH, LGH  |
| Blood                     | Kleihauer foetal red cell detection  | Manual method by acid elution – PR 3060   | LRI           |



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| CSF  | <u>Special Haematology examination activities for the purpose of clinical diagnosis</u><br><br>Assessment for the presence of abnormal cells | Documented in house methods and manufacturer's instructions for<br><br>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           |
| Urine<br>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<br>Bone Marrow Trephine | Morphological assessment   | Manual preparation and staining using Romanowsky stain- MGG PR1702; PR1703; PR1707; IN4095; IN3233; IN5799; IN3667  | LRI           |



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| Blood, Platelet Rich Plasma | <u>Special Haematology examination activities for the purpose of clinical diagnosis</u><br><br>Platelet aggregation studies including agonists; <ul style="list-style-type: none"> <li>• ADP</li> <li>• Arachidonic Acid</li> <li>• Collagen</li> <li>• Ristocetin</li> <li>• Thrombin for ATP secretion</li> </ul>  | Documented in house methods and manufacturer's instructions for<br><br>Chrono-Log 700 System - optical aggregometer using a fixed wavelength spectrophotometer and a photomultiplier tube for luminescent measurement of ATP secretion   | LRI           |
| Plasma - Citrate            | Prothrombin time (PT)/INR<br>APTT using Actin FS,<br>APTT using PTTLA<br>Clauss Fibrinogen<br>Antigenic Fibrinogen<br><br>Thrombin Time<br>Intrinsic Coagulation Factor Assays<br>Extrinsic Coagulation Factor Assays<br>Chromogenic FVIII assay<br>Intrinsic factor inhibitor assay (Bethesda)<br>Protein C Activity<br>Protein S Antigen<br>AntiThrombin Activity<br>Lupus Anticoagulant detection using DRVVT | Stago STA-R Max 2 Multi-wavelength transmitted light detection – clotting method.<br>PR1731: Prothrombin Time/INR<br>PR1732: APTT using Actin FS<br>PR1733: APTT using PTTLA<br>PR1734: Clauss Fibrinogen<br>PR1743: Immunoassay for Fibrinogen Antigen<br>PR1735: Thrombin Time<br>PR1745: Intrinsic factor assays<br><br>PR1744: Extrinsic factor assays<br><br>PR1748: Chromogenic FVIII assay<br>PR1746: Intrinsic Factor Inhibitor Assay<br>PR1757: Protein C Activity<br>PR1758: Free Protein S Antigen<br>PR1756: Antithrombin Activity<br>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 cont'd</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 – Rivaroxaban – PR1741 Apixaban – PR1752 Edoxaban – PR3885 PR1763 Validation, authorising and reporting of H&T results   | LRI           |
| Plasma                     | Measurement of Emericumab levels   | Stago STA-R Max 2 chronometric method using a modified APTT factor assay – PR4001, PR3879  | LRI           |
| Plasma                     | Concentration of the Direct Thrombin Inhibitors Argatroban and Dabigatran  | Stago STA-R Max 2 chromogenic methodology Ecarin assay – PR4012, PR4013, PR3879  | LRI           |
| Blood                      | Detection of:<br><br>Von Willebrand Factor Antigen<br><br>Von Willebrand factor Ristocetin Co-factor Assay<br>Heparin Induced Thrombocytopenia Screening | IL Acustar Chemiluminescence immunoassay analyser using SOPs:<br>PR1751: von Willebrand Factor Antigen Assay<br>PR1754: von Willebrand Ristocetin co-factor activity assay<br>PR1762: Heparin Induced Thrombocytopenia (HIT-IgG) | LRI           |
| Blood                      | Von Willebrand Factor Collagen Binding Activity  | Chemiluminescence immunoassay using the ACL Acustar (HemosIL Acustar vWF:CB assay)<br>SOP: PR1753, PR1761  | LRI           |
| Blood                      | Detection of red cell enzyme G6PD  | G6PD activity detected by fluorescence based qualitative technique Kit based method<br>SOP: PR1713   | 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 to meet the requirements of the SCT screening programme as defined in the NHS Sickle Cell and Thalassaemia Screening Programme: laboratory quality assurance evidence requirements* |               |
| Blood                      | Screening for HbA2, HbF and HBS*   | Tosoh G11 Analyser HPLC SOP: PR3903, PR3911, PR1722   | LRI           |
| Blood                      | Sickle solubility for confirmation of the presence of Haemoglobin S                            | Sickledex kit (Streck) using PR4071   | LRI           |
| Blood / Dried blood spot   | Screening for haemoglobin variants*  | ISO Electric focussing using the Resolve Haemoglobin kit – PR1716; PR1721; PR1722   | LRI           |



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| HUMAN BODY FLUIDS (cont'd) | <u>Toxicology examination activities for the purpose of monitoring</u>   | Documented in house methods and manufacturer's instructions for: |               |
| Blood                      | Determination of:<br>Topiramate<br>Levetiracetam (Keppra)<br>Flecainide<br>Amiodarone<br>Lamotrigine<br>Antifungal Drug Quantitation:<br>Itraconazole<br>Posaconazole<br>Voriconazole  | In-house, LC-MSMS, Triple Quad PR1428                            | LRI           |
| Urine                      | Anti-hypertensive drug screen:<br>Trandolaprilat (Trandolapril metabolite)<br>Benazeprilat (Benazepril metabolite)<br>Enalaprilat (Enalaprilat metabolite)<br>Fosinoprilat (Fosinopril metabolite)<br>Lisinopril<br>Perindoprilat (Perindopril metabolite)<br>Quinaprilat (Quinapril metabolite)<br>Ramiprilat (Ramipril metabolite)<br>Azilsartan<br>Candesartan<br>Irbesartan<br>Losartan<br>Olmesartan<br>Telmisartan<br>Valsartan Atenolol<br>Bisoprolol<br>Carvedilol<br>Celiprolol<br>Labetolol<br>Metoprolol<br>Nebivolol | In-house, LC-MSMS Triple Quad, PR1622                            | 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)<br>Propranolol<br>Sotalol<br>Amlodipine<br>Diltiazem<br>Felodipine<br>Nicardipine<br>Verapamil<br>Amiloride<br>Bendroflumethiazide<br>Bumetanide<br>Canrenone (Spironolactone metabolite) | In-house, LC-MSMS Triple Quad, PR1622 (Contd)                               | LRI           |
| Serum, plasma, urine       | Quantitative analysis of the following:<br>Ethanol<br>Methanol<br>Isopropanol<br>Acetone  | In-house, HS-GC-FID, PR1431   | LRI           |
| Sweat                      | Sweat Chloride  | Elitech Chlorocheck Chloridometer 3400                                      | LRI           |
| Blood                      | Gal-1-PUT screen (Galactose-1-Phosphate Uridyl Transaminase)  | Method supplied by the Reference Centre, Southmead Hospital, Bristol PR1663 | LRI           |
| Blood                      | Total Homocysteine  | In-house, LC-MSMS, Triple Quad PR1620                                       | LRI           |
| Blood                      | Quantitative analysis of Gabapentin, Pregabalin   | In-house LC-MS/MS Protein Precipitation Extraction – PR1428                 | LRI           |
| Blood                      | Quantitative analysis of Paracetamol  | In-house HPLC-DAD – PR1440  | LRI           |



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| HUMAN BODY FLUIDS<br>(cont'd) | <u>Special Chemistry examination activities for the purpose of clinical diagnosis</u>  | Documented in house methods and manufacturer's instructions for |               |
| Blood                         | Qualitative analysis of basic, neutral and acidic drugs:<br><br>6-Monoacetylmorphine<br>Amitriptyline<br>Amphetamine<br>Buprenorphine<br>Buprenorphine metabolite (norbuprenorphine)<br>Cannabis metabolite (THC-glucuronide)<br>Carbamazepine<br>Citalopram<br>Cocaine<br>Cocaine metabolite (benzoylecgonine)<br>Codeine<br>Cyclizine<br>Diazepam<br>Diazepam metabolite (nordiazepam)<br>Dihydrocodeine<br>Fentanyl<br>Fluoxetine<br>Gabapentin<br>Lamotrigine<br>Levetiracetam<br>MDMA<br>Methadone<br>Midazolam<br>Mirtazapine<br>Morphine<br>Olanzapine<br>Oxycodone<br>Paracetamol<br>Phenobarbitone<br>Phenytoin<br>Pregabalin<br>Procyclidine<br>Propranolol<br>Quetiapine<br>Risperidone | In-house QToFSolid Phase Extraction – PR3518                    | 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 |               |
| Blood                      | Qualitative analysis of basic, neutral and acidic drugs:<br><br>Diazepam<br>Nordiazepam<br>Temazepam<br>Oxazepam<br>Chlordiazepoxide | In-house LC-MS/MS Solid Phase Extraction – PR1427               | LRI           |
| Blood                      | Vitamin A<br>Vitamin E   | HPLC-UV detection using Chromsystems HPLC, PR4069               | LRI           |
| Whole Blood, EDTA          | HbA1c  | Tosoh G11 Analyser HPLC PR3862                                  | LRI           |
| Faeces                     | Elastase   | Schebo Kit, ELISA PR1665  | LRI           |
| Faeces                     | Calprotectin   | Buhlmann Kit, ELISA PR1667<br>On Dynex DS2                      | LRI           |
| Urine                      | Detection of:<br>Adrenaline<br>Noradrenaline<br>Dopamine   | In-house, LC-MSMS, Triple Quad PR1618                           | LRI           |
| Urine                      | Detection of:<br>Metadrenaline<br>Normetadrenaline<br>Total Metadrenalines<br>3-Methoxytyramine                                      | In-house, LC-MSMS, Triple Quad PR1617                           | LRI           |
| Blood                      | Porphobilinogen Screen   | HPLC-UV photometric detection PR3998                            | 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   |               |
| CSF                        | Xanthochromia   | Spectrophotometric scan. Using Thermo Scientific Evolution 201 UV-Visible Spectrophotometer , Phadia Spectronic and UKNEQAS Guidelines for Analysis of CSF for Bilirubin in suspected SAH. PR3559 | LRI           |
|                            | <u>Immunochemistry examination activities for the purpose of clinical diagnosis</u>   | Documented in house methods and manufacturer's instructions for   |               |
| Serum                      | Detection of:<br>Paraprotein  | Sebia Capillarys analyser, Capillary Zone electrophoresis method, PR3292; PR3293; PR3294  | LRI           |
| Serum                      | Paraprotein characterisation  | Sebia Capillarys for Immunofixation and Sebia Hydrasys for Immunofixation PR3292; PR3288; PR3293; PR3294; PR3295  | LRI           |
| Urine                      | Immunofixation  | Sebia Hydrasys analyser, Electrophoresis – Protein Immunofixation PR3290; PR3291; PR3288  | LRI           |
| Lithium Heparin Blood      | T-Spot TB test  | Interferon Gamma Release assay by Oxford Immunotech – PR 3314   | 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                      | ANA<br>(Screen and Titre)<br>Liver Screen (AMA, SMA, LKM)<br>Islet Cell antibody<br>ANCA<br>Crithidia<br>Parietal Cell Antibody  | Quantalyser 160 Prep Station, Launch Indirect immunofluorescence method, PR3285; PR3286, PR3284 and PR3287 | LRI           |
| Serum                      | Glutamic Acid Decarboxylase Antibody<br>IA2 Antibody<br>Intrinsic factor Antibody<br>Specific IgG levels to Tetanus Toxoid<br>Specific IgG levels to Haemophilus Influenza B   | Inova DS2 analyser, ELISA method, PR3275-PR3280, PR3276  | LRI           |
| Serum                      | Zinc Transporter 8 Antibody  | Inova DS2 analyser, ELISA method PR4052, PR3275  | LRI           |
| Serum                      | Detection of:<br><br>Anti-Cardiolipin Antibody (IgG and IgM)<br>Beta 2 Glycoprotein 1 Antibody (IgG and IgM)<br>Myeloperoxidase Antibody<br>Proteinase 3 Antibody<br>DsDNA Antibody<br>Glomerular Basement Membrane Antibody | Werfen Bioflash, Chemiluminescence assay , PR3747, 3748  | 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:<br><br>C1 Esterase Inhibitor<br>IgG Subclasses IgG4   | Binding Site Optilite 2 Turbidimetry<br>PR3298; PR3299                                       | LRI           |
| Serum                      | Serum free light chains<br>Immunoglobulins IgA, IgG, IgM<br>Complement C3 and C4<br>Rheumatoid Factor   | Binding Site Optilite 3  | LRI           |
| Serum                      | Total Protein (for paraprotein quantification)  | Binding Site Optilite 3, Turbidimetry<br>PR3299, PR3298                                      | LRI           |
| EDTA Blood                 | CD4 and lymphocyte subsets (CD3, CD4, CD8, CD19, CD56/16) percentage and absolute counts  | Beckman Coulter Aquios Analyser, Flow Cytometry method.<br>PR3306, PR3949                    | LRI           |
| EDTA Blood                 | Immunodeficiency Immuno-phenotyping   | Beckman Coulter Navios Analyser, Flow Cytometry method.<br>PR3303, PR3312                    | LRI           |
| EDTA Blood                 | Immunophenotyping for:<br>Acute leukaemia<br>Lymphoma<br>PNH<br>CD34 Stem cell enumeration  | Beckman Coulter Navios Analyser, Flow Cytometry method.<br>PR3303; PR3310; PR3317;<br>PR3308 | LRI           |
| Serum                      | Total IgE<br><br><u>Specific Ig E Allergens</u><br><br>Abachi wood dust (k212)<br>Abalone (f346)<br>Acacia (t19)<br>Acarus siro, storage mite (d70)<br>Acremonium kiliense (m202)<br>Alfalfa (w45)<br>Alkalase (k205)<br>Almond<br>Alternaria alternata | Phadia Unicap 250, FEIA method.<br>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                      | Specific Ig E Allergens (cont'd)<br><br>Amoxycilloy<br>Ampicilloyl (c5)<br>Anchovy (f313)<br>Anisakis (p4)<br>Anise<br>Apple<br>Apricot<br>Artemia salina, fish feed (o202)<br>Ascaris (p1)<br>Asparagus<br>Aspergillus flavus (m228)<br>Aspergillus Fumigatus<br>Aspergillus niger (m207)<br>Aspergillus terreus(m36)<br>Aubergine, eggplant<br>Aureobasidium pullulans (m12)<br>Australian pine (t73)<br>Avocado<br>Bahia grass (g17)<br>Bald cypress (t37)<br>Bamboo shoot (f51)<br>Banana<br>Barley<br>Barley grass (g201)<br>Basil (f269)<br>Bay leaf (f278)<br>Bayberry (t56)<br>Beetroot (f319)<br>Beef<br>Berlin beetle (i76)<br>Bermuda grass (g2)<br>Black pepper (f280)<br>Blackberry (f211)<br>Blomia tropicalis, House dust mite (d201)<br>Blood worm (i73)<br>Blue mussel | Phadia Unicap 250, FEIA method. PR3281                           | LRI           |



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| HUMAN BODY FLUIDS<br>(cont'd) | <u>Immunology examination activities for the purpose of clinical diagnosis (cont'd)</u><br><br>Specific Ig E Allergens (cont'd)<br><br>Blue vetch (f310)<br>Blueberry (f288)<br>Botrytis cinerea (m7)<br>Bougainvillea (k214)<br>Box-elder (t1)<br>Brazil Nut<br>Brome grass (g11)<br>Broccoli (f260)<br>Brussel sprouts (f217)<br>Buckwheat<br>Budgerigar droppings (e77)<br>Budgerigar Feathers<br>Bumblebee (i205)<br>Cabbage (f216)<br>Cacao (f93)<br>Camomile (w206)<br>Canary bird droppings (e200)<br>Canary bird feathers (e201)<br>Canary grass (g71)<br>Candida albicans (m5)<br>Carambola (f295)<br>Caraway<br>Careless weed (w82)<br>Carob (f296)<br>Carrot<br>Cashew nut (f202)<br>Castor bean (k71)<br>Cat (Epithelium)<br>Cat fish (f369)<br>Cauliflower (f291)<br>Cedar<br>Cedar elm (t45)<br>Cefaclor<br>Celery<br>Cephalosporin Acremonium Kiliense<br>Chaetomium globosum (m208)<br>Cheese (cheddar type)<br>Cheese (mould type) | Documented in house methods and manufacturer's instructions for:<br><br>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><br><br>Specific Ig E Allergens (cont'd)<br><br>Cherry<br>Chestnut (t206)<br>Chicken<br>Chicken droppings<br>Chicken Feathers<br>Chickpea<br>Chicken, serum proteins (e219)<br>Chilli<br>Chinchilla epithelium (e208)<br>Chlorhexidine<br>Chloramin T (k85)<br>Chub mackerel (f50)<br>Chymopapain (c209)<br>Cladosporium herbarium<br>Clam (f207)<br>Clove<br>Cochineal extract (Carmine red) (f340)<br>Cocklebur (w13)<br>Cockroach, American (i206)<br>Cockroach, German (i6)<br>Cockroach, Oriental (i207)<br>Cocksfoot (g3)<br>Coconut<br>Coffee<br>Common Ragweed<br>Common millet (f55)<br>Common pigweed (w14)<br>Common reed (g7)<br>Common silver birch (t3)<br>Common wasp (Yellow jacket) (i3)<br>Coriander<br>Cotton seed (k83)<br>Cotton, crude fibers (o1)<br>Cottonwood (t14)<br>Cow dander<br>Cow's Milk | Documented in house methods and manufacturer's instructions for:<br><br>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><br><br>Specific Ig E Allergens (cont'd)<br><br>Cow's whey (f236)<br>Crab<br>Crayfish (f320)<br>Cucumber<br>Cultivated oat (g14)<br>Cultivated rye (g12)<br>Cultivated wheat (g15)<br>Curry (santa maria)<br>Curvularia lunata (m16)<br>Cypress (t222)<br>Daphnia, fish feed (o207)<br>Date (f289)<br>Date tree(t214)<br>Deer epithelium (e216)<br>Dermatophagoides farinae,<br>House dust mite (d2)<br>Dermatophagoides microceras, House dust mite (d3)<br>Dermatophagoides pteronyssinus, House dust mite (d1)<br>Dill<br>Dog Dander<br>Dog fennel (w46)<br>Duck feathers (e86)<br>Egg (f245)<br>Egg White<br>Egg Yolk<br>Elder (t205)<br>Elm (t8)<br>Epicoccum purpurascens (m14)<br>Epidermal, mixed (ex71)<br>Epidermal, mixed (ex1)<br>Epidermal, mixed (ex2)<br>Epidermal, mixed (ex70)<br>Epidermal, mixed (ex72)<br>Epidermal, mixed (ex73) | Documented in house methods and manufacturer's instructions for:<br><br>Phadia Unicap 250, FEIA method. PR3281 | LRI           |



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

**University Hospitals of Leicester NHS Trust**  
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| HUMAN BODY FLUIDS<br>(cont'd) | <u>Immunology examination activities for the purpose of clinical diagnosis (cont'd)</u><br><br>Specific Ig E Allergens (cont'd)<br><br>Ethylene oxide (k78)<br>Eucalyptus, Gum-tree (t18)<br>Euroglyphus maynei, House dust mite (d74)<br>European ash (t25)<br>European Paper Wasp (i77)<br>False oat grass (g204)<br>False ragweed (w4)<br>Fennel<br>Fennel seed (f219)<br>Fennel, fresh (f276)<br>Fenugreek<br>Ficus (k81)<br>Fig<br>Finch feathers (e214)<br>Fire ant (i70)<br>Firebush (Kochia) (w17)<br>Fish (cod) (f3)<br>Food screen (fx5)<br>Formaldehyde/Formalin (k80)<br>Fox epithelium (e210)<br>Foxtail millet (f56)<br>Fusarium proliferatum (F. moniliforme) (m9)<br>Garlic<br>Gelatin (bovine)<br>Gerbil epithelium (e209)<br>Giant ragweed (w3)<br>Ginger<br>Gliadin (f98)<br>Gluten<br>Glycyphagus domesticus, Storage mite (d73)<br>Goat epithelium (e80)<br>Goldenrod (w12)<br>Goose feathers (e70)<br>Goosefoot, Lamb's quarters (w10)<br>Grain weevil (i202) | Documented in house methods and manufacturer's instructions for:<br><br>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><br><br>Grape<br>Grapefruit<br>Grass, mixed (gx1, gx2, gx3, gx4, gx6)<br>Green nimitti (i72)<br>Green pepper (unripe seed) (f263)<br>Grey alder (t2)<br>Guar, guar gum<br>Guava (f292)<br>Guinea pig epithelium<br>Gulf flounder (f147)<br>Gum arabic (f297)<br>Hackberry (t44)<br>Haddock<br>Hake<br>Hamster epithelium<br>Hazelnut<br>Hazel tree(t4)<br>Herring (f205)<br>Honey bee venom<br>Horn beam (t209)<br>Horse chestnut (t203)<br>Horse Dander<br>Horse fly<br>Horse meat (f321)<br>Horse, serum proteins (e205)<br>House Dust Mite (Dermatophagoides farinae) (d2)<br>House Dust Mite (Dermatophagoides microceras) (d3)<br>House Dust Mite (Dermatophagoides pteronyssinus) (d1)<br>House Dust Mite (Euroglyphus maynei) (d74)<br>Insulin human | Phadia Unicap 250, FEIA method. PR3281                          | LRI           |



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| HUMAN BODY FLUIDS<br>(cont'd) | <u>Immunology examination activities for the purpose of clinical diagnosis (cont'd)</u><br><br>Specific Ig E Allergens (cont'd)<br><br>Isocynate HDI<br>Isocynate MDI<br>Isocynate TDI<br>Ispaghula (k72)<br>Italian/Mediterranean/Funeral cypress (t23)<br>Jack mackerel, Scad (f60)<br>Japanese cedar (t17)<br>Japanese Hop (w22)<br>Japanese millet (f57)<br>Johnson grass (g10)<br>Jujube (f336)<br>Kiwi<br>Latex<br>Lemon<br>Lentil<br>Lettuce<br>Lepidoglyphus destructor, Storage mite (d71)<br>Lima bean (f182)<br>Linden (t208)<br>Linseed<br>Litchi (f348)<br>Lobster<br>Lovage (f275)<br>Lupin Pollen<br>Lupin seed<br>Macadamia nut (f345)<br>Mace (Nutmeg)<br>Mackerel<br>Maize<br>Maize, Corn (f8)<br>Maize grass (g202)<br>Malassezia spp. (m227)<br>Malt (f90)<br>Mandarin (tangerine, clementine, satsumas) (f302)<br>Mango | Documented in house methods and manufacturer's instructions for:<br><br>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><br><br>Specific Ig E Allergens (cont'd)<br><br>Maple leaf sycamore, London plane (t11)<br>Mare's milk (f286)<br>Marguerie, Ox-eye daisy (w7)<br>Marjoram (f274)<br>Maxatase (k204)<br>Meadow fescue (g4)<br>Meadow foxtail (g16)<br>Meadow grass, Kentucky blue (g8)<br>Mealworm (o211)<br>Mediterranean flour moth (i203)<br>Megrin (f311)<br>Melaleuca, Cajeput-tree (t21)<br>Melon<br>Mesquite (t20)<br>Methylnetrahydroptalic anhydrid (k211)<br>Milk (f2)<br>Milk, boiled (f231)<br>Mink epithelium (e203)<br>Mint<br>Morphine<br>Mosquito (i71)<br>Moth (i8)<br>Mould, mixed (mx1)<br>Mould, mixed (mx2)<br>Mould, mixed (mx4)<br>Mountain juniper (t6)<br>Mouse epithelium, serum proteins and urine<br>Mouse epithelium (e71)<br>Mouse serum proteins (e76)<br>Mouse urine proteins (e72)<br>Mucor racemosus (m4)<br>Mugwort<br>Mulberry (t70)<br>Mushroom | Documented in house methods and manufacturer's instructions for:<br><br>Phadia Unicap 250, FEIA method. PR3281 | LRI           |



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| HUMAN BODY FLUIDS<br>(cont'd) | <u>Immunology examination activities for the purpose of clinical diagnosis (cont'd)</u><br><br>Specific Ig E Allergens (cont'd)<br><br>Mustard<br>Mutton (f88)<br>MUXF3 CCD, Bromelin<br>nAmb a 1 ragweed (w230)<br>nAna c 2 Bromelain,<br>Pineapple (k202)<br>nArt v 1 Mugwort (w231)<br>nArt v 3 LTP, Mugwort (w233)<br>nAsp o 21 alpha-amylase (k87)<br>nBos d 4 alpha-lactalbumin, Milk<br>nBos d 5 beta-lactoglobulin, Milk (f77)<br>nBos d 8 Casein, Milk (f78)<br>nCan f 3 Dog serum albumin<br>nCup a 1 Cypress (t226)<br>nCyn d 1 Bermuda grass (g216)<br>nGal d 1 Ovomucoid, Egg (f233)<br>nGal-alpha-1,2-Gal (alpha-Gal) Thyroglobulin, bovine (o215)<br>nGal d 2 Ovalbumin, Egg<br>nGal d 3 Conalbumin, Egg<br>nGal d 4 Lysozyme Egg<br>nGly m5 beta-conglycinin, Soy<br>nGly m6 Glycinin<br>nOle e 7 LTP, Olive (t227)<br>nPhl p 4 Timothy (g208)<br>nSal k 1 Saltwort (w232)<br>nSus s Pepsin, Swine (k213)<br>nSus s Pig serum albumin, Swine (e222)<br>Nettle (w20)<br>Nut screen (fx1) | Documented in house methods and manufacturer's instructions for:<br><br>Phadia Unicap 250, FEIA method. PR3281 | LRI           |



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| HUMAN BODY FLUIDS<br>(cont'd) | <u>Immunology examination activities for the purpose of clinical diagnosis (cont'd)</u><br><br>Specific Ig E Allergens (cont'd)<br><br>Nut Screen FX22 (f201, f202, f203, f256)<br>Oak (t7)<br>Oat (f7)<br>Octopus (f59)<br>Oil Palm (t223)<br>Olive (black, fresh) (f342)<br>Olive tree (t9)<br>Omega-5-gliadin<br>Onion<br>Orange (f33)<br>Oregano (f283)<br>Oyster<br>Pacific Squid<br>Paloverde (t219)<br>Papaya (f293)<br>Paper wasp (i4)<br>Paprika<br>Parakeet feathers (e196)<br>Parakeet serum (e198)<br>Parrot Feathers<br>Parsley<br>Passion fruit (f294)<br>Pea<br>Peach<br>Peach F545 (Pru p 7)<br>Peanut<br>Pear<br>Pecan<br>Pecan, Hickory tree (t22)<br>Penicillium chrysogenum (P. notatum) (m1)<br>Penicillium glabrum (m209)<br>Pencilloyl V<br>Pencilloyl G<br>Pepper tree (t217)<br>Persimon (kaki fruit, sharon) (f301)<br>Pholcodine (c261) | Documented in house methods and manufacturer's instructions for:<br><br>Phadia Unicap 250, FEIA method. PR3281 | LRI           |



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| HUMAN BODY FLUIDS<br>(cont'd) | <u>Immunology examination activities for the purpose of clinical diagnosis (cont'd)</u><br><br>Specific Ig E Allergens (cont'd)<br><br>Phoma betae (m13)<br>Phthalic anhydride (k79)<br>Pigeon Feathers<br>Pine (t213)<br>Pine Nut<br>Pineapple<br>Pistachio<br>Pityrosporum orbiculare (syn. Malassezia) (m70)<br>Plaice (f254)<br>Plantain (English), Ribwort (w9)<br>Plum<br>Pollock (f413)<br>Poppy seeds<br>Pork<br>Potato<br>Pumpkin<br>Pumpkin seed<br>Privet (t210)<br>Queen Palm (t72)<br>Quinoa (f347)<br>r Act d8 PR-10 Recomb. Kiwi<br>Rabbit (f213)<br>Rabbit epithelium (e82)<br>Rabbit, serum proteins (e206)<br>Rabbit, urine proteins (e211)<br>Rape seed<br>Rape seed pollen<br>rAlt a 1 (m229)<br>rApi g1.01.PR-10 Celery<br>rApi M1phospholipase A2 (Recomb. Honey Bee)<br>Rape (w203)<br>rApi 5 Dipeptidyl peptidase, Honey bee (i216)<br>rApi m 10 Icarapin, Honey bee (i217) | Documented in house methods and manufacturer's instructions for:<br><br>Phadia Unicap 250, FEIA method. PR3281 | LRI           |



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| HUMAN BODY FLUIDS<br>(cont'd) | <u>Immunology examination activities for the purpose of clinical diagnosis (cont'd)</u><br><br>Specific Ig E Allergens (cont'd)<br><br>rApi m 2 Hyaluronidase, Honey bee (i214)<br>rApi m 3, Acid phosphatase, Honey bee (i215)<br>rAra h 1 Peanut (f422)<br>rAra h 2 Peanut (f423)<br>rAra h 3 Peanut (f424)<br>rAra h 8 PR-10, Peanut (f352)<br>rAra h 9 LTP, Peanut (f427)<br>rAsp f 1 (m218)<br>rAsp f 2 (m219)<br>rAsp f 3 (m220)<br>rAsp f 4 (m221)<br>rAsp f 6 (m222)<br>Raspberry<br>Rat epithelium (e73)<br>Rat epithelium, serum protein and urine proteins (e87)<br>Rat serum proteins (e75)<br>Rat urine proteins (e74)<br>rBere 1 (Recomb Brazil)<br>rBet V1 (Recomb.Birch)<br>rBet v2 Profilin, Recomb Birch<br>rBet v 2, rBet v 4 Birch (t221)<br>rBet v 4 Birch (t220)<br>rBet v 6 Birch (t225)<br>rCan f 1 Dog<br>rCan f 2 Dog<br>rCan f 5 Dog (e226)<br>rCor A1 (Recomb. Hazelnut)<br>rCor A8 (Recomb. Hazelnut)<br>rCor a 14, Hazel nut (f439)<br>rCypc1carp<br>rDer p 1 House dust mite (d202)<br>rDer p 10 Tropomyosin, House dust mite (d205)<br>rDer p 2 House dust mite (d203) | Documented in house methods and manufacturer's instructions for:<br><br>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><br><br>rDer p 23 House dust mite (d209)<br>Red cedar (t57)<br>Red mulberry (t71)<br>Red kidney bean<br>Red snapper (f381)<br>Redtop, Bentgrass (g9)<br>rEqu c 1 Horse (e227)<br>rFel d 1 Cat (e94)<br>rFel d 2 Cat serum albumin (e220)<br>rFel d 4 Cat (e228)<br>rGadc1Cod<br>rGly m 4 (Recomb. Soy)<br>rHev b1 Recomb. Latex<br>rHev b11 (Recomb Latex)<br>rHev b3 Recomb. Latex<br>rHev b5 (Recomb Latex)<br>rHev b6.02 Recomb. Latex<br>rHev b8 (Profilin Recomb latex)<br>Rhizopus nigricans (m11)<br>Rice<br>rMal d 3 LTP, Apple (f435)<br>rOle e 1 Olive (t224)<br>rOle e 9, Olive (t240)<br>Rose hip (f330)<br>Rough marshelder (w16)<br>rPar j 2 LTP, Wall pellitory (w211)<br>rPen a 1<br>Tropomyosin,(Recomb Shrimp)<br>rPhl p 1 Timothy (g205)<br>rPhl p 11 Timothy (g211)<br>rPhl p 2 Timothy (g206)<br>rPhl p 6 Timothy (g209)<br>rPhl p 7 Timothy (g210) | 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)             | <p>Specific Ig E Allergens (cont'd)</p> <p>rPhl p 7, rPhl p 12 Timothy (g214)<br/>rPhl p 12 Profilin (Recomb. Timothy Grass)<br/>rPhl p 5b (Recomb. Timothy Grass)<br/>rPhl p1, rPhl p 5b Recomb. Timothy Grass<br/>rPla a 1 Maple leaf sycamore, London plane (t241)<br/>rPla l 1 Plantain (w234)<br/>rPol d 5 Paper wasp<br/>rPru p1 PR-10, Recomb. Peach<br/>rPru p3 LTP, Recomb. Peach<br/>rPru p 4 Profilin, Peach (f421)<br/>rTri a 19 Omega-5 Gliadin, Wheat (f416)<br/>Russian olive (t54)<br/>rVes v 1 Phospholipase A1, Common wasp (i211)<br/>rVes v 5 Common wasp (i209)<br/>Rye<br/>Rye-grass (g5)<br/>Sage (f344)<br/>Saffron<br/>Salmon<br/>Salt grass (g203)<br/>Saltwort (prickly), Russian thistle (w11)<br/>Sardine (Pilchard) (f308)<br/>Sardine, Japanese Pilchard (f61)<br/>Savinase (k206)<br/>Scale, Lenscale (w15)<br/>Scallop<br/>Scotch broom (t55)<br/>Seminal Fluid<br/>Sesame seed</p> | 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)             | Specific Ig E Allergens (cont'd)<br><br>Sesame F449 (rSes I 1)<br>Setomelanomma rostrata(Helminthosporium halodes)(m8)<br>Sharon / Persimmon fruit<br>Sheep epithelium (e81)<br>Sheep milk (f325)<br>Sheep sorrel (w18)<br>Sheep whey (f326)<br>Silk waste (k73)<br>Snail (f314)<br>Shrimp(Prawn)<br>Sole<br>Soya Bean<br>Spelt wheat (f124)<br>Spinach (f214)<br>Spruce (t201)<br>Squid (f258)<br>Staphylococcal enterotoxin A (m80)<br>Staphylococcal enterotoxin B (m81)<br>Staphylococcal enterotoxin C (m223)<br>Staphylococcal enterotoxin TSST (m226)<br>Stemphylium herbarum (S. botryosum) (m10)<br>Streptavidin (o212)<br>Strawberry<br>Sugar-beet (w210)<br>Sugar-beet seed (f227)<br>Sunflower (w204)<br>Sunflower seeds<br>Suxamethonium<br>Sweet chestnut (f299)<br>Sweet gum (t211)<br>Sweet potato (f54)<br>Sweet vernal grass (g1) | 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)             | Specific Ig E Allergens (cont'd)<br><br>Swine epithelium (e83)<br>Swordfish (f312)<br>Tarragon (f272)<br>Tetramin, fish feed (o203)<br>Thyme<br>Tilapia (f414)<br>Tilletia tritici (m201)<br>Timothy Grass<br>Tobacco leaf (o201)<br>Tomato<br>Tree mix (TX9)<br>Trichoderma viride (m15)<br>Trichophyton mentagrophytes var. interdigitale (m211)<br>Trichophyton rubrum (m205)<br>Trichosporon pullulans (m203)<br>Trout<br>Tuna<br>Turkey feathers (e89)<br>Turkey meat (f284)<br>Tyrophagus putrescentiae, Storage mite (d72)<br>Ulocladium chartarum (m204)<br>Vanilla<br>Velvet grass (g13)<br>Virginia live oak (t218)<br>Wall pellitory (w19)<br>Wall pellitory (w21)<br>Walleye pike (f415)<br>Walnut (f256)<br>Walnut tree (t10)<br>Watermelon (f329)<br>Western ragweed (w2)<br>Wheat<br>Wheat (cultivated)<br>White ash (t15)<br>White Bean<br>White-faced hornet (i2)<br>White hickory (t41) | 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)             | Specific Ig E Allergens (cont'd)  | Phadia Unicap 250, ELIA method. PR3281 PR3282                    | LRI           |
|                            | Extractable Nuclear Antigen RNP70<br>Extractable Nuclear Antigen U1RNP<br>Extractable Nuclear Antigen Scl70<br>Cyclic Citrullinated Peptide Antibody                        |  |               |
|                            | Autoantibody Tests:<br>IgA Tissue Transglutaminase Antibody<br>IgG Tissue Transglutaminase Antibody<br>Thyroid Peroxidase Antibody<br>Aspergillus fumigatus IgG precipitins | Phadia Unicap 250, ELIA method. PR 3281 PR3282.                  | LRI           |
| END                        |   |  |               |