


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

|   |  |   |
|---|--|---|
|  <p><b>UKAS</b><br/>MEDICAL<br/>8029</p> <p>Accredited to<br/>ISO 15189:2022</p> | <h3>South Eastern Health &amp; Social Care Trust</h3>                |   |
|   | <p><b>Issue No:</b> 015      <b>Issue date:</b> 10 February 2026</p> | <p><b>Contact:</b> Darren Crawford<br/> <b>Tel:</b> +44 (0)28 904 11565<br/> <b>Fax:</b> +44 (0)28 9048 7131<br/> <b>E-Mail:</b> Darren.crawford@setrust.hscni.net<br/> <b>Website:</b> www.setrust.hscni.net</p> |
| <p><b>Laboratories</b><br/> <b>Ulster Hospital</b><br/> <b>Upper Newtownards Road</b><br/> <b>Dundonald</b><br/> <b>Northern Ireland</b><br/> <b>BT16 1RH</b></p> |  |   |
| <p><b>Testing performed at the above address only</b></p>   |  |   |

### DETAIL OF ACCREDITATION

| Materials/Products tested | Type of test/Properties measured/Range of measurement                                    | Standard specifications/ Equipment/Techniques used                      |
|---------------------------|--|---|
| HUMAN BODY FLUIDS         | <u>Clinical Chemistry examination activities for the purposes of clinical diagnosis:</u> | <u>Documented in house methods and manufacturer's instructions for:</u> |
|                           | Quantification of:   | <b>Roche Cobas 8000 system</b>  |
| Serum / Plasma            | Albumin  | LABC AUTO2 & 1 (colorimetric)   |
| Serum / Plasma            | Alcohol (ethanol)  | LABC AUTO-51 & 1 (enzymatic)  |
| Serum / Plasma            | Alkaline Phosphatase (ALP)   | LABS AUTO-3 & 1 (colorimetric)  |
| Serum / Plasma            | Alpha Feto Protein   | LABC AUTO-62 & 1 (immunoassay sandwich)                                 |
| Serum / Plasma            | ALT  | LABC AUTO-175 & 1 (enzymatic IFCC)                                      |
| Serum / Plasma            | Ammonia  | LABC AUTO-4 & 1 (enzymatic)   |
| Serum / Plasma / urine    | Amylase  | LABC AUTO-6 & 1 (enzymatic colorimetric assay acc. to IFCC)             |
| Serum / Plasma            | AST  | LABC AUTO-7 & 1 (enzymatic IFCC)  |
| Serum / Plasma            | AST /ALT Ratio   | LABC AUTO-7, 175 & 1 (calculation)                                      |
| Serum / Plasma            | β-HcG  | LABC AUTO-63 & 1 (immunoassay sandwich)                                 |
| Serum / Plasma            | Beta 2 Microglobulin   | LABC AUTO-48 & 1 (immunoturbidimetric assay)                            |
| Serum / Plasma            | Bilirubin (Total)  | LABC AUTO-33, & 1 (colorimetric assay diazo)                            |



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| HUMAN BODY FLUIDS (cont'd) | <u>Clinical Chemistry examination activities for the purposes of clinical diagnosis (cont'd):</u> | <u>Documented in house methods and manufacturer's instructions for:</u> |
|                            | Quantification of: (cont'd)   | <b>Roche Cobas 8000 system</b>  |
| Serum / Plasma             | CA-125  | LABC AUTO-67 & 1<br>(immunoassay sandwich)                              |
| Serum / Plasma / urine     | Calcium   | LABC AUTO-8 & 1 (colorimetric assay with endpoint method (NM-BAPTA))    |
| Urine                      | Calcium 24hr  | LABC AUTO-8 & 1<br>(by calculation)                                     |
| Serum / Plasma             | Calcium (adjusted)  | LABC AUTO-8 & 1<br>(by calculation)                                     |
| Urine                      | Calcium / Creatinine Ratio  | LABC AUTO-8, 11 & 1<br>(by calculation)                                 |
| Serum / Plasma             | Carbamazepine   | LABC AUTO-180 & 1 (KIMS)  |
| Serum / Plasma             | Carcinoembryonic Antigen (CEA)  | LABC AUTO-64 & 1<br>(immunoassay sandwich)                              |
| Serum / Plasma / urine     | Chloride  | LABC AUTO-9 & 1<br>Indirect   |
| Urine                      | Chloride 24hr   | LABC AUTO-9 & 1<br>(by calculation)                                     |
| Serum / Plasma             | Cholesterol   | LABC AUTO-10 & 1 (enzymatic, colorimetric method)                       |
| Serum / Plasma             | Cholesterol / HDL Ratio   | LABC AUTO-10, 19 & 1<br>(by calculation)                                |
| Serum / Plasma             | Complement C3   | LABC AUTO-186 & 1<br>(immunoturbidimetric assay)                        |
| Serum / Plasma             | Complement C4   | LABC AUTO-187 & 1<br>(immunoturbidimetric assay)                        |
| Serum / Plasma             | Cortisol  | LABC AUTO-65 & 1<br>(immunoassay competition)                           |



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| HUMAN BODY FLUIDS (cont'd) | <u>Clinical Chemistry examination activities for the purposes of clinical diagnosis</u> (cont'd): | <u>Documented in house methods and manufacturer's instructions for:</u> |
|                            | Quantification of: (cont'd)   | <b>Roche Cobas 8000 system</b>  |
| Serum / Plasma             | C-Reactive Protein  | LABC AUTO-179 & 1<br>(immunoturbidimetric assay)                        |
| Serum / Plasma / urine     | Creatinine  | LABC AUTO-11 & 1 (enzymatic)  |
| Urine                      | Creatinine 24hr   | LABC AUTO-11 & 1<br>(by calculation)                                    |
| Urine                      | Creatinine Clearance  | LABC AUTO-11 & 1<br>(by calculation)                                    |
| Serum / Plasma             | Creatine Kinase   | LABC AUTO-14 & 1 (IFCC UV-test enzymatic IFCC)                          |
| Serum / Plasma             | Digoxin   | LABC AUTO-66 & 1<br>(immunoassay competition)                           |
| Serum / Plasma             | Direct Bilirubin  | LABC AUTO-16 & 1 (diazo method)   |
| Serum / Plasma             | Estimated GFR   | LABC AUTO-11 & 1<br>(by calculation)                                    |
| Serum / Plasma             | Ferritin  | LABC AUTO-69 & 1<br>(immunoassay sandwich)                              |
| Serum / Plasma             | Folic Acid  | LABC AUTO-70 & 1<br>(immunoassay competition)                           |
| Serum / Plasma             | Follicle Stimulating Hormone (FSH)  | LABC AUTO-71 & 1<br>(immunoassay sandwich)                              |
| Serum / Plasma             | Free T3   | LABC AUTO-72 & 1<br>(immunoassay competition)                           |
| Serum / Plasma             | Free T4   | LABC AUTO-73 & 1<br>(immunoassay competition)                           |
| Serum / Plasma             | Gentamicin  | LABC AUTO-169 & 1 (KIMS)  |
| Serum / Plasma             | GGT   | LABC AUTO-17 & 1 (enzymatic colorimetric assay)                         |



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| HUMAN BODY FLUIDS (cont'd)                 | <u>Clinical Chemistry examination activities for the purposes of clinical diagnosis (cont'd):</u> | <u>Documented in house methods and manufacturer's instructions for:</u> |
|  | Quantification of: (cont'd)   | <b>Roche Cobas 8000 system</b>  |
| Serum / Plasma                             | Globulins   | LABC AUTO- 1, 2, 34, 176, 177, 178<br>(by calculation)                  |
| Serum / Plasma / Cerebrospinal fluid (CSF) | Glucose   | LABC AUTO-18 & 1 (enzymatic hexokinase)                                 |
| Serum / Plasma                             | HDL   | LABC AUTO-19 & 1<br>(homogeneous enzymatic colorimetric test)           |
| Serum / Plasma                             | Hydroxybutyrate   | LABC AUTO-20 & 1 (enzymatic)  |
| Serum / Plasma                             | Immunoglobulins G, A & M  | LABC AUTO-176, 177, 178 & 1<br>(immunoturbidimetric assay)              |
| Serum / Plasma                             | Iron  | LABC AUTO-21 & 1 (colorimetric assay)                                   |
| Serum / Plasma                             | % Transferrin saturation  | LABC AUTO-21, 35 & 1<br>(by calculation)                                |
| Serum / Plasma / Cerebrospinal fluid (CSF) | Lactate   | LABC AUTO-23 & 1 (colorimetric)   |
| Serum / Plasma                             | LDH   | LABC AUTO-22 & 1 (enzymatic)  |
| Serum / Plasma                             | Lithium   | LABC AUTO-24 & 1 (colorimetric)   |
| Serum / Plasma                             | Low density lipoprotein (LDL)   | LABC AUTO-19, 10, 36 & 1 by calculation                                 |
| Serum / Plasma                             | Luteinising Hormone (LH)  | LABC AUTO-75 & 1<br>(immunoassay sandwich)                              |
| Serum / Plasma / urine                     | Magnesium   | LABC AUTO-25 & 1 (colorimetric end point)                               |
| Urine                                      | Microalbumin  | LABC AUTO-26, 11 & 1<br>(turbidimetric)                                 |
| Serum / Plasma                             | Oestradiol  | LABC AUTO-76 & 1<br>(immunoassay competition)                           |



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|                                   | Quantification of: (cont'd)   | <b>Roche Cobas 8000 system</b>  |
| Serum / Plasma                    | Paracetamol   | LABC AUTO-188 & 1 (enzymatic)   |
| Plasma                            | Para Thyroid Hormone  | LABC AUTO-74 & 1<br>(immunoassay sandwich)                              |
| Serum / Plasma                    | Phenytoin   | LABC AUTO-181 & 1 (KIMS)  |
| Serum / Plasma / urine            | Phosphate   | LABC AUTO -28 & 1<br>(phosphomolybdate)                                 |
| Urine                             | Phosphate 24hr  | LABC AUTO-28 & 1<br>(by calculation)                                    |
| Serum / Plasma / urine            | Potassium   | LABC AUTO-29 & 1 Indirect   |
| Urine                             | Potassium 24hr  | LABC AUTO-29 & 1<br>(by calculation)                                    |
| Serum / Plasma                    | Progesterone  | LABC AUTO-79 & 1<br>(immunoassay competition)                           |
| Serum / Plasma                    | Prolactin   | LABC AUTO-80 & 1<br>(immunoassay sandwich)                              |
| Serum / Plasma                    | Prostatic Specific Antigen (PSA)  | LABC AUTO-81 & 1<br>(immunoassay sandwich)                              |
| Urine / Cerebrospinal fluid (CSF) | Protein   | LABC AUTO-38 & 1 (turbidimetric)  |
| Urine                             | Protein 24hr  | LABC AUTO-38 & 1 (by calculation)                                       |
| Urine                             | Protein / Creatinine ratio  | LABC AUTO-38, 11 & 1<br>(by calculation)                                |
| Serum / Plasma                    | Rheumatoid factor   | LABC AUTO-143 & 1<br>(immunoturbidimetric assay)                        |
| Serum / Plasma                    | Salicylate  | LABC AUTO-37 & 1 (enzymatic)  |
| Serum / Plasma                    | Sex Hormone Binding Globulin  | LABC AUTO-82 & 1<br>(immunoassay sandwich)                              |



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|                            | Quantification of: (cont'd)   | <b>Roche Cobas 8000 system</b>  |
| Serum / Plasma / urine     | Sodium  | LABC AUTO-30 & 1 Indirect   |
| Urine                      | Sodium 24hr   | LABC AUTO-30 & 1 (calculation)  |
| Serum / Plasma             | Teicoplanin   | LABC AUTO-174 & 1<br>(turbidimetric)                                    |
| Serum / Plasma             | Testosterone  | LABC AUTO-83 & 1<br>(immunoassay competition)                           |
| Serum / Plasma             | Testosterone (Free)   | LABC AUTO-83, 82, 2 & 1<br>(calculation)                                |
| Serum / Plasma             | Theophylline  | LABC AUTO-182 & 1 (KIMS)  |
| Serum / Plasma             | Thyroid Stimulating Hormone (TSH)   | LABC AUTO-85 & 1<br>(immunoassay sandwich)                              |
| Serum / Plasma             | Total Bile Acids  | LABC AUTO-172 & 1 (enzymatic)   |
| Serum / Plasma             | Total Carbon Dioxide  | LABC AUTO-31 & 1 (enzymatic)  |
| Serum / Plasma             | Total Protein   | LABC AUTO-34 & 1 (colorimetric)   |
| Urine                      | Total Protein   | LABC AUTO-38 & 1 (turbidimetric)  |
| Serum / Plasma             | Transferrin   | LABC AUTO-35 & 1<br>(immunoturbidimetric assay)                         |
| Serum / Plasma             | Triglycerides   | LABC AUTO-36 & 1 (enzymatic<br>colorimetric test)                       |
| Serum / Plasma             | Troponin T (High Sensitivity)   | LABC AUTO-87 & 1<br>(immunoassay sandwich)                              |
| Urine                      | Urate 24hr  | LABC AUTO-55 & 1 (calculation)  |
| Serum / Plasma / urine     | Urea  | LABC AUTO-39 & 1 (enzymatic)  |
| Urine                      | Urea 24 hr  | LABC AUTO-39 & 1<br>(by calculation)                                    |



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|                            | Quantification of: (cont'd)   | <b>Roche Cobas 8000 system</b>  |
| Serum / Plasma             | Uric acid   | LABC AUTO 55 & 1 (enzymatic)  |
| Serum / Plasma             | Valproic Acid   | LABC AUTO-183 & 1 (enzyme immunoassay)  |
| Serum / Plasma             | Vancomycin  | LABC AUTO-46 & 1 (enzyme immunoassay)   |
| Serum / Plasma             | Vitamin B12   | LABC AUTO-61 & 1 (immunoassay competition)  |
| Urine                      | Bence Jones Protein   | Documented in house procedure LABC BIO2-63 and manufacturer's instructions for Helena SAS-3/4 gel electrophoresis   |
| Cerebrospinal fluid (CSF)  | Xanthochromia (Bilirubin and oxyhaemoglobin)  | Documented in-house procedure LABC BIO2-28 & manufacturer's instructions for Uvikon XS – spectrophotometry and LABC BIO2-75 & manufacturer's instructions for BIO-UV by spectrophotometry |
| Faeces                     | Calprotectin  | Documented in-house procedure LABC AUTO-153 & manufacturer's instructions Chemiluminescent Immunoassay (CLIA) on the DiaSorin Liaison XL  |
| Whole blood                | HbA1c   | Documented in-house procedure LABC BIO2-66 & manufacturer's instructions Sebia Capillarys 3 Tera/Octa using capillary zone electrophoresis  |
| Whole blood                | Met Haemoglobin   | Documented in-house procedure POCT SOP-56 & manufacturer's instructions for IL GEM 4000 analyser (spectrophotometry & calculation)  |



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| <p>HUMAN BODY FLUIDS (cont'd)</p> <p>Serum / urine</p> <p>Serum</p> | <p><u>Clinical Chemistry examination activities for the purposes of clinical diagnosis (cont'd):</u></p> <p>Osmolality</p> <p>Detection of serum proteins</p> <ul style="list-style-type: none"> <li>➤ Serum albumin</li> <li>➤ Alpha-1 globulins</li> <li>➤ Alpha-2 globulins</li> <li>➤ Beta globulins</li> <li>➤ Gamma globulins</li> </ul> | <p><u>Documented in house methods and manufacturer's instructions for:</u></p> <p>Documented in-house procedure LABC BIO2-5 and manufacturer's instructions for analysis using the Osmo1 depression of freezing point</p> <p>Documented in-house procedure LABC BIO2 -60 Helena V8 Nexus-capillary zone electrophoresis with LABC BIO2-62 Helena SAS-3/4 serum gel electrophoresis and manufacturer's instructions for V8 Nexus and SAS-3/4.</p> |



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| HUMAN BODY FLUIDS AND TISSUES | <u>Haematology testing for the purpose of clinical diagnosis</u>  | Manufacturer's instructions and Documented In-house methods using:   |
| Whole Blood                   | Full Blood Count Analysis <ul style="list-style-type: none"> <li>• Red Blood Cell Count</li> <li>• Haemoglobin estimation</li> <li>• Red Cell and platelet counts</li> <li>• Haematocrit</li> <li>• Differential WCC and Reticulocytes</li> <li>• MCV</li> <li>• MCH</li> <li>• MCHC</li> <li>• Citrated platelet count</li> <li>• Nucleated RBC count</li> </ul> | Sysmex XN 9100, XN 10 and XN 20<br>[LAB-HAEM-14 and LABH HAEM-5]<br>Methodologies used:<br>Light absorbance<br>Electrical impedance, Flow cytometry<br><br>By Calculation<br><br>Electrical impedance and flow cytometry |
| Whole Blood                   | Plasma Viscosity  | Benson Viscometer detected by resistance of plasma flow through a capillary under a constant vacuum;<br>LABH HAEM-87   |
| Whole Blood                   | Erythrocyte sedimentation rate  | Starrsed Interrliner analyser<br>By electronic detection of interface<br>LABH HAEM-2   |
| Whole Blood                   | Erythrocyte sedimentation rate  | Documented manual procedure by visual detection of interface<br>Westergren<br>LABH HAEM-3 manual   |
| Whole Blood                   | Film examination, reporting of normal and abnormal morphologies, manual white cell differential   | May Grunwald Giemsa stain<br>Romanowsky stain<br>LABH HAEM-7, 8, 23, 25, 32  |
| Bone marrow                   | Bone Marrow examination and reporting of normal and abnormal morphologies   | Perls Prussian blue<br>May Grunwald Giemsa stain<br>Romanowsky stain<br>[LABH HAEM-22, 23, & 8]  |



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| HUMAN BODY FLUIDS AND TISSUES (cont'd) | <u>Haematology Testing for the purpose of clinical diagnosis</u> (cont'd)  | Manufacturer's instructions and Documented In-house methods using:  |
| Whole Blood                            | Malarial Parasite Identification <ul style="list-style-type: none"> <li>• <i>P. falciparum</i></li> <li>• <i>P. malariae</i></li> <li>• <i>P. ovalae</i></li> <li>• <i>P. vivax</i></li> <li>• <i>P. knowlesi</i></li> </ul> <i>Plasmodium falciparum</i> speciation and enumeration | Field Stain & Microscopy<br>LABH HAEM-27, 30<br>Romanowsky stain (Automated (Aerospray) stainer) and/or Giemsa pH7.2 stain & Microscopy with thin and thick film examination<br>LABH HAEM-8, 30 &31 |
| Whole Blood                            | Qualitative detection of Malarial antigens of <i>Plasmodium falciparum</i> and <i>Plasmodium</i> sp, antigens for <i>P. malariae</i> , <i>P. ovale</i> and <i>P. vivax</i>   | Rapid Immunoassay using the Care US Malaria Combo Pf/PAN<br>LABH HAEM-28  |
| Whole Blood                            | HbS  | Streck Laboratories Sickledex Kit<br>Detection by Saponin RBC lysis and Haemoglobin reduction<br>LABH HAEM-26   |
| Whole Blood                            | Infectious Mononucleosis   | Rapid Immunoassay using the Clearview IM II<br>LABH HAEM-94   |
| Whole Blood                            | Coagulation:   | Werfen ACL TOP 550 analysers using Clot detection methodology<br>LABH COAG 6, 7, 3, 8, 14, 44, 16, 47, 49, 45, 31, 83   |
| Whole Blood                            | APTT   |   |
| Whole Blood                            | Fibrinogen   |   |
| Whole Blood                            | PT/INR   |   |
| Whole Blood                            | Factor II  |   |
| Whole Blood                            | Factor V   |   |
| Whole Blood                            | Factor VII   |   |



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| HUMAN BODY FLUIDS AND TISSUES (cont'd) | <u>Haematology testing for the purpose of clinical diagnosis</u> (cont'd)   | Manufacturer's instructions and Documented In-house methods using:   |
| Whole Blood                            | Coagulation:  | Werfen ACL TOP 550 analysers using Clot detection methodology LABH COAG 6, 7, 3, 8, 14, 44, 16, 47, 49, 45, 31, 83 |
| Whole Blood                            | Factor VIII   |  |
| Whole Blood                            | Factor IX   |  |
| Whole Blood                            | Factor X  |  |
| Whole Blood                            | Factor XI   |  |
| Whole Blood                            | Factor XII  |  |
| Whole Blood                            | Lupus anticoagulant   |  |
| Whole Blood                            | Activated Protein C resistance  |  |
| Whole Blood                            | Anti Xa   |  |
| Whole Blood                            | D Dimer   |  |
| Whole Blood                            | Protein S   |  |
| Whole Blood                            | Antithrombin III  |  |
| Whole Blood                            | Protein C   |  |
| Blood (red cells)                      | <u>Blood Transfusion testing for the purpose of clinical diagnosis</u>  |  |
|  | <ul style="list-style-type: none"> <li>• Blood Group A, B, O and AB groups</li> <li>• Rh groups, antigens-; C, c, D, E, e,</li> <li>• Kell blood group system, antigens: K</li> </ul> | BioRad IH 500 & Gel cards and agglutination interface detection LABH HBB-137                                       |



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| Blood (red cells)                      | Manual Blood Group/Phenotype <ul style="list-style-type: none"> <li>• A, B, O and AB groups</li> <li>• Rh D groups, antigen</li> <li>• Kidd blood group system, antigens: - Jk<sup>a</sup>, Jk<sup>b</sup>,</li> <li>• Duffy blood group system, antigens:- Fy<sup>a</sup>, Fy<sup>b</sup>,</li> <li>• MNS blood group system, antigens: M, N, S, s,</li> <li>• Lewis blood group system, antigens: Le<sup>a</sup>, Le<sup>b</sup>,</li> </ul> | Manual tube technique using Immucor anti sera LABH HBB-3, 4 and 30   |
| Blood (plasma)                         | Antibody Detection   | BioRad IH500 Gel cards and agglutination interface detection using 3 cell screen Coombs and 3 cell enzyme LABH HBB-137, LABH HBB-5                         |
| Blood (plasma)                         | Antibody identification <ul style="list-style-type: none"> <li>• A, B, O and AB groups</li> <li>• Rh groups, antigens: C, c, D, E, e,</li> <li>• Kell blood group system, antigens: K</li> <li>• Kidd blood group system, antigens: Jka, Jkb</li> <li>• Duffy blood group system, antigens: Fya, Fyb</li> <li>• MNS blood group system, antigens: M, N, S, s</li> <li>• Lewis blood group system, antigens: Lea, Leb</li> </ul>                | Using Bio Rad IH500 & Gel cards and agglutination interface detection using 11 cell screen (LISS/Coombs & enzyme) LABH HBB-137, LABH HBB-30 And LABH HBB-6 |
| Blood (red cells)                      | Direct Coombs test   | Using BioRad IH 500 & Gel cards and visual detection of interface LABH HBB-137   |



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

**South Eastern Health & Social Care Trust**  
**Issue No: 015 Issue date: 10 February 2026**

Testing performed at main address only

| Materials/Products tested  | Type of test/Properties measured/Range of measurement  | Standard specifications/ Equipment/Techniques used  |
|--|--|---|
| <p>HUMAN BODY FLUIDS AND TISSUES (cont'd)</p> <p>Blood (red cells)</p> <p>Plasma/Cells</p> | <p><u>Blood Transfusion Testing for the purpose of clinical diagnosis</u> (cont'd)</p> <p>Direct Coombs Test</p> <p>Compatibility testing of patients' plasma with donor cells</p> | <p>Manufacturer's instructions and Documented In-house methods using:</p> <p>Manual procedures by tube technology-red cell agglutination, macroscopic visual detection<br/>LABH HBB-41</p> <p>Using BioRad IH500 &amp; Gel cards and visual detection of interface<br/>LABH HBB-137</p> <p>Manual procedures by tube technology-red cell agglutination, macroscopic visual detection<br/>LABH HBB-7</p> |



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| <b>HUMAN TISSUE AND FLUIDS</b>   | <u>Microbiology examination activities for the purpose of clinical diagnosis</u>  | In House documented methods based on related Standards for Microbiology Investigations (UK SMIs)  |
| Aspirate, Catheter Tip, CSF, Fluids, IUCD, Peg Tube, Pus, Semen, Sputum, Bronchial Lavage, Bronchial Washings, Nasal Secretions, Tissues Cellular and fluid material contained on swabs from:<br>Axilla, Bartholin's Abscess, , Cervical, Ear, Eye, Groin, Mouth, Nasal, Neonatal Screen, Penile, PVL Screen, Rectal, Skin, Throat, Tissue, Ulcer, Umbilical, Urethral, Vaginal, VRE/GRE Screen, Vulval, Wound | General isolation of micro-organisms of clinical significance   | Manual inoculation followed by culture using:<br>LABM BAC-2<br>LABM BAC-35<br>LABM BAC-93<br>LABM BAC-104<br>LABM BAC-105<br>LABM BAC-106<br>LABM BAC-107<br>LABM BAC-108<br>LABM BAC-109<br>LABM BAC-111<br>LABM BAC-113<br>LABM BAC-118<br>LABM BAC-123<br>LABM BAC-124<br>LABM BAC-216<br>LABM BAC-218<br>LABM BAC-150 |
| Cellular and fluid material contained on swabs   | Screening for Methicillin Resistant <i>Staphylococcus aureus</i> (MRSA) and Methicillin Sensitive mSSA  | Manual inoculation followed by culture as above and using:<br>LABM BAC-145  |
| Whole Blood  | Isolation of micro-organisms of clinical significance   | Automated culture using LABM BAC-238 and bioMerieux BacT/ALERT VIRTUO   |
| CSF  | Detection of:<br>Microorganisms<br>White blood cells (inc. differential)<br>Red blood cells   | Microscopy using: Gram stain<br>LABM BAC-150 and Kova Slides  |
| Urine<br>Joint fluid<br>Ascitic fluid<br>Peritoneal fluid<br>Pleural fluid   | Detection, identification and quantification of:<br>White blood cells<br>Red blood cells<br>Squamous epithelial cells<br>Bacterial cells<br>Casts | Automated urinalysis, image capture and recognition<br>Using LABM BAC-277 & 270 and UF-5000 Fluorescent flow cytometry and/or<br>Manual microscopic examination using LABM BAC-149  |



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| HUMAN TISSUE AND FLUIDS   | <u>Microbiology examination activities for the purpose of clinical diagnosis</u>  | In House documented methods based on related Standards for Microbiology Investigations (UK SMIs)   |
| Faeces  | Isolation, identification and antimicrobial susceptibility of bacterial pathogens:<br><i>Campylobacter</i> spp.<br><i>Clostridioides difficile</i><br><i>Escherichia coli</i> O157<br><i>Salmonella</i> sp.<br><i>Shigella</i> spp.<br><i>Vibrio</i> spp.<br><i>Yersinia</i> spp.<br><i>Pleisiomonas</i> spp. | Manual inoculation and media culture using LABM ENT-1  |
| Cellular and fluid material contained on vaginal swabs and rectal swabs | Group B Streptococci carriage screening   | Manual inoculation, broth enrichment and media culture using:<br>LABM BAC-283  |
| Cultures isolated in-house from all samples listed above                | Identification of microorganisms of clinical significance   | Automated biochemical methods using:<br>LABM ENT-2<br>LABM ENT-3<br>LABM ENT-4<br>LABM ENT-5<br>LABM ENT-6<br>LABM ENT-7<br>LABM BAC-161<br>LABM BAC-171<br>LABM BAC-182<br>LABM BAC-38<br>LABM BAC-187<br>and<br>bioMerieux Vitek 2 |
| Cultures isolated in-house from all samples listed above                | Identification of microorganisms of clinical significance   | Matrix-assisted laser desorption/ionisation (MALDI-TOF) using LABM BAC-239 and bioMerieux Vitek MS Prime   |



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| HUMAN TISSUE AND FLUIDS (cont'd)                         | <u>Microbiology examination activities for the purpose of clinical diagnosis (cont'd)</u>         | In House documented methods based on related Standards for Microbiology Investigations (UK SMIs) (cont'd)   |
| Cultures isolated in-house from all samples listed above | Antimicrobial susceptibility testing of clinically significant bacteria                           | Manual disc diffusion and/or automated antimicrobial susceptibility testing using the latest EUCAST methodology using LABM BAC-73 and bioMerieux Vitek 2<br>LABM BAC-38<br>LABM BAC-187 |
| Cultures isolated in-house from all samples listed above | Antimicrobial susceptibility testing of clinically significant bacteria                           | Gradient MIC determination by MIC test strip using LABM BAC-153   |
| Faeces   | Detection of Rotavirus and adenovirus   | Immunoassay using Coris Bioconcept Combi-strip using LABM ENT-8   |
| Faeces   | Detection of <i>Helicobacter pylori</i> antigen   | Chemiluminescent immunoassay using Diasorin Liaison XL following LABM SERO-37   |
| Faeces   | <i>Clostridioides difficile</i> glutamate dehydrogenase (GDH)<br><i>C. difficile</i> toxins A & B | Rapid EIA using LABM ENT-9 and C. Diff Quik Chek Complete   |
| Urine  | Detection of <i>Legionella pneumophila</i> serogroup 1 antigen                                    | Rapid qualitative Immunoassay using BinaxNOW using LABM SERO-9  |
| Urine  | Detection of <i>Streptococcus pneumoniae</i> antigen  | Rapid qualitative Immunoassay using BinaxNOW using LABM SERO-11   |



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|-------------------------------------|--|--|
| HUMAN TISSUE AND FLUIDS (cont'd)    | <u>Molecular examination activities for the purpose of clinical diagnosis</u>  | In House documented methods based on related Standards for Microbiology Investigations (UK SMIs) (cont'd)  |
| Faeces                              | Detection of Norovirus RNA   | RT - PCR using Cepheid GeneXpert, Xpert Norovirus assay and LABM ENT-26  |
| Rectal swabs and bacterial isolates | Detection and differentiation of KPC, NDM, VIM, OXA-48 and IMP-1 gene sequences  | RT-PCR using Cepheid GeneXpert, Xpert Carba-R assay and LABM BAC-253   |
| Faeces                              | Molecular detection of <i>C. difficile</i> toxin B gene  | RT-PCR using Cepheid GeneXpert, Xpert <i>C. difficile</i> BT assay and LABM ENT-23   |
| Combined nasal and throat swab      | Detection of RNA of:<br>SARS-CoV-2 (N2 gene and E gene)<br>Influenza A virus<br>Influenza B virus<br>RSV   | RT-PCR using Cepheid GeneXpert, Xpert Xpress CoV-2/Flu/RSV plus assay and LABM BAC-284   |
| Faeces                              | Detection of DNA of:<br><i>Salmonella</i> spp.<br><i>Shigella</i> spp.<br><i>Campylobacter</i> spp.<br>Shiga toxin 1 and 2<br>Giardia<br><i>Cryptosporidium</i> spp.<br>Toxigenic <i>C. difficile</i> (tcdB) | PCR amplification and detection using Roche Light cycler 480 with Serosep EntericBio realtime Gastro panel 2 assay using LABM ENT-1<br><br>Serosep EntericBio realtime <i>C. difficile</i> assay using LABM ENT-32 |
| END                                 |  |  |