Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Viapath Analytics LLP

Issue No: 008  Issue date: 09 November 2020

Francis House
9 King's Head Yard
London
SE1 9NA

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Fax: +44 (0)207-1882948
E-Mail: beverley.crane@viapath.co.uk
Website: www.viapath.co.uk

Testing performed by the Organisation at the locations specified below

Locations covered by the organisation and their relevant activities

<table>
<thead>
<tr>
<th>Location details</th>
<th>Activity</th>
<th>Location code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blood Sciences Laboratory 5th Floor, North Wing St. Thomas' Hospital Westminster Bridge Road London SE1 7EH</td>
<td>Blood transfusion inc. storage &amp; issue of blood and blood products General Haematology Special Haematology inc. Flow Cytometry &amp; Molecular Haematology Clinical Chemistry</td>
<td>ST</td>
</tr>
<tr>
<td></td>
<td>Tim Maggs tel: 0207-1884774</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sue Woodcock tel: 0207-1889247</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Yvonne Daniel tel: 0207-1889247</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Edel Treanor tel: 0207-1889247</td>
<td></td>
</tr>
<tr>
<td>Diabetic Clinic St. Thomas' Hospital</td>
<td>Edel Treanor (tel: as above)</td>
<td>STDC</td>
</tr>
<tr>
<td>Theatres St. Thomas' Hospital</td>
<td>Edel Treanor (tel: as above)</td>
<td>STT</td>
</tr>
<tr>
<td>Fetal Medicine Unit St. Thomas' Hospital</td>
<td>Edel Treanor (tel: as above)</td>
<td>STFMU</td>
</tr>
<tr>
<td>Blood Sciences Laboratory 4th Floor Tower Wing Guy's Hospital Great Maze Pond London SE1 9RT</td>
<td>Blood transfusion inc. storage &amp; issue of blood and blood products General Haematology Special Haematology inc. Flow Cytometry Clinical Chemistry</td>
<td>G</td>
</tr>
<tr>
<td></td>
<td>Tim Maggs tel: 0207-1884774</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sue Woodcock tel: 0207-1884781</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Yvonne Daniel tel: 0207-1884781</td>
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<tr>
<td></td>
<td>Edel Treanortel: 0207-1884781</td>
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## Laboratory locations:

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<thead>
<tr>
<th>Location details</th>
<th>Activity</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Diabetic Clinic</td>
<td>Biochemistry: Diabetes monitoring only</td>
<td>GDC</td>
</tr>
<tr>
<td>Guy's Hospital Edel Treanor</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Guy's Hospital Edel Treanor (tel:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>as above)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cancer Centre</td>
<td>Haematology: Full blood counts only</td>
<td>GCC</td>
</tr>
<tr>
<td>Guy's Hospital Sue Woodcock</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Guy's Hospital Sue Woodcock (tel:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>as above)</td>
<td></td>
<td></td>
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</tbody>
</table>

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

<table>
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<tr>
<th>Location details</th>
<th>Activity</th>
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</thead>
<tbody>
<tr>
<td>St. Thomas’ Hospital:</td>
<td>Storage &amp; issue of blood and blood products only</td>
</tr>
<tr>
<td>• Birth Centre</td>
<td></td>
</tr>
<tr>
<td>• Main Theatre</td>
<td></td>
</tr>
<tr>
<td>• East Wing Cardiac Theatre</td>
<td></td>
</tr>
<tr>
<td>• East Wing ITU 1 and ITU6</td>
<td></td>
</tr>
<tr>
<td>• AE Resus</td>
<td></td>
</tr>
<tr>
<td>• Snow Fox Ward</td>
<td></td>
</tr>
<tr>
<td>Evelina London Children’s Hospital</td>
<td>Storage &amp; issue of blood and blood products only</td>
</tr>
<tr>
<td>(at St. Thomas’ Hospital site):</td>
<td></td>
</tr>
<tr>
<td>• Forest Theatre</td>
<td></td>
</tr>
<tr>
<td>• Reef Theatre &amp; Recovery</td>
<td></td>
</tr>
<tr>
<td>Guy’s Hospital:</td>
<td>Storage &amp; issue of blood and blood products only</td>
</tr>
<tr>
<td>• Samaritan Ward</td>
<td></td>
</tr>
<tr>
<td>• Theatres</td>
<td></td>
</tr>
<tr>
<td>• GCCU</td>
<td></td>
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<tr>
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<tbody>
<tr>
<td>HUMAN BODY FLUIDS</td>
<td>Blood Transfusion examinations to assist in clinical investigations</td>
<td>In house documented methods incorporating manufacturers’ instructions as required</td>
<td></td>
</tr>
<tr>
<td>Red cells</td>
<td>A Rh D Positive AB Rh D Positive B Rh D Positive O Rh D Positive A Rh D Negative AB Rh D Negative B Rh D Negative O Rh D Negative Including the presence of A2 antigens</td>
<td>Manual using: CAT BioRad ABO and reverse grouping cards and A1 and B reagent cells and: BSBT-SOP-022</td>
<td>ST G</td>
</tr>
<tr>
<td>Materials/Products tested</td>
<td>Type of test/Properties measured/Range of measurement</td>
<td>Standard specifications/Equipment/Techniques used</td>
<td>Location Code</td>
</tr>
<tr>
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</tr>
<tr>
<td><strong>HUMAN BODY FLUIDS</strong></td>
<td>Blood Transfusion examinations to assist in clinical investigations (cont'd)</td>
<td>In house documented methods incorporating manufacturers' instructions as required</td>
<td></td>
</tr>
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<td>---------------</td>
</tr>
<tr>
<td>HUMAN BODY FLUIDS (cont'd)</td>
<td>Blood Transfusion examinations to assist in clinical investigations (cont'd)</td>
<td>In house documented methods incorporating manufacturers' instructions as required</td>
<td></td>
</tr>
<tr>
<td>Materials/Products tested</td>
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</tr>
<tr>
<td>HUMAN BODY FLUIDS (cont’d)</td>
<td>Blood Transfusion examinations to assist in clinical investigations (cont’d)</td>
<td>In house documented methods incorporating manufacturers’ instructions as required</td>
<td></td>
</tr>
<tr>
<td>Whole blood</td>
<td>Full Blood Count (FBC) analysis: Total red cell count, Haemoglobin, Mean cell volume, Mean cell haemoglobin, Mean cell haemoglobin concentration, Hematocrit, Red cell distribution width, Total white cell count, Absolute neutrophil count, Absolute lymphocyte count, Absolute monocyte count, Absolute eosinophil count, Absolute basophil count, Platelet count, Mean platelet volume</td>
<td>Automated using: Beckman Coulter DxH 800 (Impedance technology) and: BSH-SOP-058</td>
<td>ST G GCC</td>
</tr>
</tbody>
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<tr>
<td>HUMAN BODY FLUIDS (cont’d)</td>
<td>Haematological examinations for the purpose of clinical diagnosis</td>
<td>In house documented methods incorporating manufacturers’ instructions as required</td>
<td></td>
</tr>
<tr>
<td>Whole blood</td>
<td>Nucleated red cell count</td>
<td>Automated using: Beckman Coulter DxH 800 (Impedance technology) and: BSH-SOP-009</td>
<td>ST G</td>
</tr>
<tr>
<td>Whole blood</td>
<td>Citrate platelet count</td>
<td>Automated using: Beckman Coulter DxH 800 (Impedance technology) and: BSH-SOP-058</td>
<td>ST G</td>
</tr>
<tr>
<td>Whole blood</td>
<td>White cell morphology</td>
<td>Wright-Giemsa staining using: Hematek 2000 followed by microscopy using: BSH-SOP-068</td>
<td>ST G</td>
</tr>
<tr>
<td>Whole blood</td>
<td>White cell differential</td>
<td>Manual Perls’ Prussian Blue and Neutral Red counterstain method followed by microscopy using: BSH-SOP-046</td>
<td>ST G</td>
</tr>
<tr>
<td>Bone marrow aspirate</td>
<td>Cellularity</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bone marrow aspirate</td>
<td>M:E ratio and nucleated cell differential</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bone marrow aspirate</td>
<td>Morphology (normal &amp; Abnormal) of red cell, white cell and platelet precursors</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bone marrow aspirate</td>
<td>Iron deposits (Haemosiderin)</td>
<td></td>
<td></td>
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<tr>
<td>Urine</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
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</tr>
<tr>
<td>HUMAN BODY FLUIDS (cont'd)</td>
<td>Haematological examinations for the purpose of clinical diagnosis (cont'd)</td>
<td>In house documented methods incorporating manufacturers’ instructions as required</td>
<td></td>
</tr>
<tr>
<td>Whole blood</td>
<td>Confirmation and Identification of Malaria parasites by detection of: <em>P. falciparum</em> (HRP1) &amp; <em>P. falciparum</em>, <em>P. vivax</em>, <em>P. malariae</em>, <em>P. ovale</em> (pan-antigen)</td>
<td>Immunochromogenic method using BinaxNOW and: BSH-SOP-081</td>
<td>ST</td>
</tr>
<tr>
<td>Plasma</td>
<td>Viscosity</td>
<td>Resistance of plasma flow using Benson BV1 Viscometer and: BSH-SOP-050</td>
<td>ST</td>
</tr>
<tr>
<td>Whole blood</td>
<td>Erythrocyte Sedimentation Rate (ESR)</td>
<td>Rate of red cell sedimentation using StaRRsed Autocompact and: BSH-SOP-079</td>
<td>ST</td>
</tr>
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<td>HUMAN BODY FLUIDS (cont’d)</td>
<td>Haematological examinations for the purpose of clinical diagnosis (cont’d)</td>
<td>In house documented methods incorporating manufacturers’ instructions as required</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Heterophile antibodies (Infectious mononucleosis screen)</td>
<td>Latex agglutination using: BIKIT Monolatex Kit and: BSH-SOP-019</td>
<td>ST</td>
</tr>
<tr>
<td></td>
<td>Presence of red cells and white cells (normal and abnormal cells)</td>
<td>Cytocentrifugation &amp; May-Grunwald-Giemsa staining followed by microscopy using: BSH-SOP-008</td>
<td>G</td>
</tr>
<tr>
<td>Whole blood</td>
<td>Haemoglobinopathy screen by detection of haemoglobin variants</td>
<td>BioRad Variant II HPLC and: BSSH-SOP-044 Interpretation of HPLC analysis for haemoglobinopathies BSSH-SOP-041 BioRad VII maintenance and decontamination</td>
<td>G</td>
</tr>
<tr>
<td>Whole blood</td>
<td>Haemoglobinopathy screen by detection of haemoglobin variants</td>
<td>HPLC using Trinity Biotech Premier Hb9210 and: BSSH-SOP-083</td>
<td>G</td>
</tr>
<tr>
<td>Whole blood</td>
<td>Sickle cell solubility</td>
<td>S-Test Kit with visual interpretation using: BSSH-SOP-046 Sickle solubility screen</td>
<td>G</td>
</tr>
<tr>
<td>Whole blood</td>
<td>Haemoglobin H</td>
<td>Brilliant Cresyl Blue staining followed by microscopy using: BSSH-SOP-045 Alpha thalassaemia investigations including HbH stain</td>
<td>G</td>
</tr>
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</thead>
<tbody>
<tr>
<td><strong>HUMAN BODY FLUIDS</strong> (cont'd)</td>
<td><strong>Molecular and Special Haematological examinations for the purpose of clinical diagnosis</strong></td>
<td>In house documented methods incorporating manufacturers' instructions as required</td>
<td></td>
</tr>
<tr>
<td><strong>Whole blood</strong></td>
<td>Haemoglobin detection:</td>
<td>Tandem Mass Spectrometry using: Premier Mass Spectrometer and: BSSH-SOP-022</td>
<td>ST</td>
</tr>
<tr>
<td><strong>Whole blood</strong></td>
<td>Molecular genetic analysis for genetic mutations and variants</td>
<td>Automated DNA extraction using: QiaSymphony in accordance with: BSH-SLA-5 with Virology</td>
<td>ST</td>
</tr>
<tr>
<td><strong>DNA extracted in house or received as primary sample type</strong></td>
<td>Common alpha thalassaemia deletions</td>
<td>Polymerase chain reaction (PCR) using: Veriti Thermal Cycler and: BSSH-SOP-051</td>
<td>ST</td>
</tr>
<tr>
<td><strong>DNA extracted in house or received as primary sample type</strong></td>
<td>Triplicated alpha gene</td>
<td><strong>PCR using:</strong> Veriti Thermal Cycler and Sanger Sequencing using: ABI 3130 sequencer in accordance with: BSSH-SLA-8 with genetics and: BSSH-SOP-062</td>
<td>ST</td>
</tr>
<tr>
<td><strong>DNA extracted in house or received as primary sample type</strong></td>
<td>Alpha thalassaemia: Identification of known point mutations and deletions within the alpha gene cluster</td>
<td><strong>PCR using:</strong> Veriti Thermal Cycler and Sanger Sequencing using: ABI 3130 sequencer in accordance with: BSSH-SLA-8 with genetics and: BSSH-SOP-062</td>
<td>ST</td>
</tr>
<tr>
<td><strong>DNA extracted in house or received as primary sample type</strong></td>
<td>Beta thalassaemia: Identification of known point mutations and deletions within the beta gene cluster</td>
<td><strong>PCR using:</strong> Veriti Thermal Cycler and Sanger Sequencing using: ABI 3130 sequencer in accordance with: BSSH-SLA-8 with genetics and: BSSH-SOP-062</td>
<td>ST</td>
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---|---|---|---
**HUMAN BODY FLUIDS (cont'd)**
DNA extracted in house or received as primary sample type
- Molecular and Special Haematological examinations for the purpose of clinical diagnosis (cont'd)
- In house documented methods incorporating manufacturers' instructions as required

DNA extracted in house or received as primary sample type
- Large beta gene deletions: Delta Beta thalassaemia: Sicilian
- Chinese
- Asian Indian A
- Asian Indian B
- Turkish A
- Turkish B
- 619bp deletion
- 1393bp deletion
- 468bp deletion
- 532bp deletion.
- Hereditary persistence of foetal haemoglobin (HPFH): HPFH1-7
- SEA
- Gap-PCR followed by gel electrophoresis using: Veriti Thermal Cycler and: BSSH-SOP-052

DNA extracted in house or received as primary sample type
- Large alpha & beta thalassaemia gene deletions and insertions
- Gap-PCR followed by gel electrophoresis using: Veriti Thermal Cycler and: BSSH-SOP-060
- Multiplex Ligation-dependent Probe Amplification (MLPA) using: ABI 3130 sequencer in accordance with BSH-SLA-7 with molecular haemostasis and: BSSH-SOP-060 Large beta gene deletions and insertions by MLPA
- BSSH-SOP-078 Alpha gene deletions and insertions by MLPA

Whole blood
- G6PD screen
- Trinity Biotech G6PD kit and photometry using: BSSH-SOP-081 G6PD Enzyme Assay (Pointe Scientific)

Whole blood
- Oxygen Dissociation (P50)
- Haemox analyser and: BSSH-SOP-050 P50 Oxygen dissociation

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**Assessment Manager: MS2**
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>HUMAN BODY FLUIDS (cont’d)</td>
<td>Special Haematological examinations for the purpose of clinical diagnosis</td>
<td>In house documented methods incorporating manufacturers’ instructions as required</td>
<td>G</td>
</tr>
<tr>
<td>Whole blood</td>
<td>Leukaemia flow cytometry panels: Cell surface and/or intracellular B cell, T cell, myeloid, monocytic and immature progenitor antigens: Chronic panel: CD8 Kappa &amp; lambda light chains CD4 CD5 CD79b CD20 Cd10 CD23 CD3 CD19 FMC7 CD45 CD2 CD25 CD16 CD56 CD7 CD57 Cytoplasmic markers: TdT MPO CD79a CD34 CD22 CD3 IgM</td>
<td>Immunophenotyping by Flow Cytometry using: Beckman Coulter NAVIOS and: BSSH-SOP-032 (ACUTE) BSSH-SOP-035 (SURF) BSSH-SOP-037 (INTRAS) BSSH-SOP-033 (B CELL) BSSH-SOP-034 (T CELL)</td>
<td>G</td>
</tr>
<tr>
<td>Materials/Products tested</td>
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<tr>
<td>HUMAN BODY FLUIDS (cont’d)</td>
<td>Special Haematological examinations for the purpose of clinical diagnosis (cont’d)</td>
<td>In house documented methods incorporating manufacturers’ instructions as required</td>
<td>G</td>
</tr>
<tr>
<td>Whole blood</td>
<td>Leukaemia flow cytometry panels (cont’d)</td>
<td>Immunophenotyping by Flow Cytometry using: Beckman Coulter NAVIOS (cont’d)</td>
<td></td>
</tr>
<tr>
<td>Bone marrow</td>
<td>Acute panel: CD64 CD33 CD56 CD117 CD34 CD123 CD19 CD3 HLA DR CD45 CD4 CD1a CD13 CD2 CD7 CD235a CD8 CD25 CD22 CD10 CD20 Cd11b CD15</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aspirate fluid</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fine Needle Aspirate (FNA) fluid</td>
<td>FNA flow cytometry panel: Cell surface B cell and T cell antigens (as stated above)</td>
<td>Immunophenotyping by Flow Cytometry using: Beckman Coulter NAVIOS and: BSSH-SOP-029 (FNA)</td>
<td>G</td>
</tr>
<tr>
<td>Whole blood</td>
<td>Immunoplatelet count</td>
<td>Immunophenotyping by Flow Cytometry using: Beckman Coulter FC500 (ST) &amp; Beckman Coulter NAVIOS (G) and: BSSH-SOP-036</td>
<td>ST G</td>
</tr>
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<tr>
<td>HUMAN BODY FLUIDS (cont’d)</td>
<td>Special Haematological examinations for the purpose of clinical diagnosis (cont’d)</td>
<td>In house documented methods incorporating manufacturers' instructions as required</td>
<td></td>
</tr>
<tr>
<td>Whole blood</td>
<td>CD4/CD8 count</td>
<td>Immunophenotyping by Flow Cytometry using: Beckman Coulter Aquios and: BSSH-SOP-031</td>
<td>ST</td>
</tr>
<tr>
<td>Peripheral blood</td>
<td>CD19 Rituximab</td>
<td>Flow Cytometry using: Beckman Coulter NAVIOS and: BSSH-SOP-073</td>
<td>G</td>
</tr>
</tbody>
</table>
## Materials/Products tested

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Serum/Plasma</td>
<td>Biochemistry examinations for the purpose of clinical diagnosis</td>
<td>In house documented methods incorporating manufacturers’ instructions as required</td>
<td></td>
</tr>
<tr>
<td>Serum/Plasma</td>
<td>Potassium (K)</td>
<td>Indirect ion selective electrode (ISE)</td>
<td>ST G</td>
</tr>
<tr>
<td>Serum/Plasma</td>
<td>Sodium (Na)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Serum/Plasma</td>
<td>Chloride (Cl)</td>
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2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Viapath Analytics LLP

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**END**