




|   |                        |                                       |                     |   |                     |               |   |
|---|------------------------|---------------------------------------|---------------------|---|---------------------|---------------|---|
|    |                        | <b>Section 1. PATIENT INFORMATION</b> |                     |   |                     |               |   |
| <b>BIOCHEMISTRY LABORATORY</b><br>Medical Research Council Unit The Gambia at London School of Hygiene and Tropical Medicine<br>Atlantic Boulevard, Fajara, The Gambia<br>ISO15189:2012 accredited  |                        | NAME or (Participant ID)              |                     |   |                     |               |   |
| SUSPECTED DIAGNOSIS   |                        | BIRTH DATE                            |                     | Last / / AGE First<br>dd mm yr  |                     | SEX           |   |
| STUDY NUMBER  |                        | MRC NUMBER                            |                     | SOURCE  |                     | CHARGE CODE   |   |
| <b>Section 2. ORDERING PHYSICIAN INFORMATION</b>  |                        |                                       |                     |   |                     |               |   |
| NAME:   |                        | Signature:                            |                     | Ext:  | REQUEST DATE:       |               |   |
| <b>Section 3. SPECIMEN INFORMATION (please mark appropriate box with "X")</b>   |                        |                                       |                     |   |                     |               |   |
| <input type="checkbox"/> Clotted Blood <input type="checkbox"/> NaF Blood <input type="checkbox"/> CSF <input type="checkbox"/> Urine <input type="checkbox"/> Pleural / Ascetic fluid  |                        |                                       |                     |   |                     |               |   |
| SPECIMEN COLLECTED BY   |                        | DATE / /                              |                     | TIME /  |                     |               |   |
|   |                        | dd mm yr                              |                     | hr : mm   |                     |               |   |
| SPECIMEN PRIORITY: <input type="checkbox"/> Urgent <input type="checkbox"/> Routine   |                        |                                       |                     |   |                     |               |   |
| (X)   | EXAMINATION            | RESULT                                | REF RANGE           | (X)   | EXAMINATION         | RESULT        | REF RANGE                                   |
| ELECTROLYTES PROFILE  |                        |                                       |                     | CARDIAC MARKERS PROFILE   |                     |               |   |
|   | Sodium                 |                                       | 137 – 145 mmol/L    |   | Creatine Kinase     |               | F: 30 – 135 U/L<br>M: 55 – 170 U/L          |
|   | Potassium              |                                       | 3.5 – 5.1 mmol/L    |   | *CKMB               |               | < 16 U/L                                    |
|   | Chloride               |                                       | 98 – 107 mmol/L     |   | *%MB                |               | 0 – 4 %                                     |
| RENAL PROFILE   |                        |                                       |                     |   | LDH                 |               | 313 – 618 U/L                               |
|   | *ECO2 (Bicarb)         |                                       | 22 – 30 mmol/L      | LIPID PROFILE   |                     |               |   |
|   |                        |                                       | M: 3.2 – 7.1 mmol/L |   | *Cholesterol, Total |               | < 5.2 mmol/L                                |
|   | Urea (BUN)             |                                       | F: 2.5 – 6.1 mmol/L |   | *Triglycerides      |               | < 1.69 mmol/L                               |
|   | Creatinine             |                                       | M: 71 – 133 µmol/L  |   | *Cholesterol, LDL   |               | < 3.4 mmol/L                                |
|   |                        |                                       | F: 62 – 106 µmol/L  |   | *Cholesterol, HDL   |               | > 1.03 mmol/L                               |
| GLYCEMIC STATUS   |                        |                                       |                     |   | *Cholesterol, VLDL  |               | < 0.77 mmol/L                               |
|   | Glucose (Fasting)      |                                       | 4.1 – 5.9 mmol/L    | BONE PROFILE  |                     |               |   |
|   | Glucose (PostPrandial) |                                       | < 7.0 mmol/L        |   | Calcium             |               | 2.10 – 2.55 mmol/L                          |
| LIVER PROFILE   |                        |                                       |                     |   | Magnesium           |               | 0.7 – 1.0 mmol/L                            |
|   | Aspartate (ASAT)       |                                       | F: 14 – 36 U/L      |   | *Phosphorus         |               | 0.81 – 1.45 mmol/L                          |
|   |                        |                                       | M: 17 -59 U/L       | CSF PROFILE   |                     |               |   |
|   | Alanine (ALAT)         |                                       | F: 9 – 52 U/L       |   | *Protein (CSF)      |               | 0.12 – 0.60 g/L                             |
|   |                        |                                       | M: 21 – 72 U/L      |   | *Glucose (CSF)      |               | 2.2 – 3.9 mmol/L                            |
|   | Alk Phosphatase        |                                       | 38 – 126 U/L        | INFLAMMATION MARKER   |                     |               |   |
|   | Bilirubin, Total       |                                       | 3 – 22 µmol/L       |   | Uric Acid (Urate)   |               | M: 208 – 506 µmol/L<br>F: 149 – 369 µmol/L  |
|   | *Bilirubin, Conj.      |                                       | A: 0 – 5 µmol/L     | OTHERS  |                     |               |   |
|   |                        |                                       | N: 0 – 10 µmol/L    |   | *Osmolarity         |               | 280 – 300 mOsm/kg                           |
|   | *Bilirubin, Unconj     |                                       | A: 0 – 19 µmol/L    |   | *Protein (Urine)    |               | < 0.12 g/L                                  |
|   |                        |                                       | N: 10 – 180 µmol/L  |   | *Iron               |               | F: 6.6 – 30.4 µmol/L<br>M: 8.8 – 32.4µmol/L |
|   | GGT                    |                                       | F: 12 – 58 U/L      |   | *Lactate            |               | 0.7 – 2.1 mmol/L                            |
|   |                        |                                       | M: 15 – 73 U/L      | Note: Some analytes do have overlapping functions in other profiles,    * The test is not covered by our current KENAS accreditation. |                     |               |   |
|   | Protein, Total         |                                       | 63 – 82 g/L         | Section 4. FOR LABORATORY USE ONLY  |                     |               |   |
|   | Albumin                |                                       | 35 – 50 g/L         | SPECIMEN RECEIVED BY:    DATE / /    TIME /   |                     |               |   |
|   | *Globulin              |                                       | 26 – 41 g/L         | dd mm yr    hr : mm   |                     |               |   |
| PANCREATIC PROFILE  |                        |                                       |                     | RESULTS: (these are flocculation tests - manual results that are not obtained on a print out)   |                     |               |   |
|   | Amylase                |                                       | 30 – 110 U/L        | TEST  |                     | RESULT        |   |
|   | *Lipase                |                                       | 23 – 300 U/L        | *HCG  |                     | N/A           |   |
| COMMENT(S):   |                        |                                       |                     | *CRP  |                     | < 10 mg/L     |   |
| LAB SCIENTIST SIGN & DATE   |                        |                                       |                     | SUPERVISOR SIGN & DATE  |                     | *RA / RF Test |   |
|   |                        |                                       |                     |   |                     | < 25 IU/mL    |   |
| LAB SCIENTIST SIGN & DATE   |                        |                                       |                     | SUPERVISOR SIGN & DATE  |                     | BC            |   |