

Laboratory test reference ranges for male, adult patients

(Tests labelled red are mandatory for the exam)

|                                   |                              |             |           |
|-----------------------------------|------------------------------|-------------|-----------|
| <b>Albumin</b>                    | serum                        | 35 - 53     | g/l       |
| <b>Alkalic phosphatase</b>        | serum                        | 40 - 130    | U/l       |
| <b>Amylase</b>                    | serum                        | 28 - 100    | U/l       |
| <b>anorganic phosphate</b>        | serum                        | 1 - 1.5     | mmol/l    |
| <b>APTT</b>                       | blood, citrate               | 25 - 37     | sec       |
| <b>CRP</b>                        | serum                        | < 5         | mg/l      |
| <b>Fbrinogen</b>                  | blood, citrate               | 2.4 - 5.0   | g/l       |
| <b>Fructosamine</b>               | serum                        | 200 - 285   | µmol/l    |
| <b>Gamma-GT</b>                   | serum                        | < 70        | U/l       |
| <b>Glucose</b>                    | glycolysis inhibited plasma  | 4 - 7.0     | mmol/l    |
| <b>AST</b>                        | serum                        | < 44        | U/l       |
| <b>ALT</b>                        | serum                        | < 50        | U/l       |
| <b>HDL - cholesterol</b>          | serum                        | 0.9 - 1.7   | mmol/l    |
| <b>Hemoglobin A1c</b>             | Blood, EDTA                  | 4.8 - 6.0   | %         |
| <b>Uric Acid</b>                  | serum                        | 180 - 350   | µmol/l    |
| <b>Calcium</b>                    | serum                        | 2.1 - 2.6   | mmol/l    |
| <b>Calcium, ionized</b>           | heparin anticoagulated blood | 1.1 - 1.3   | mmol/l    |
| <b>Potassium</b>                  | serum                        | 3.8 - 5.2   | mmol/l    |
| <b>Urea</b>                       | serum                        | 2 - 9       | mmol/l    |
| <b>Chloride</b>                   | serum                        | 94 - 108    | mmol/l    |
| <b>Cholesterol</b>                | serum                        | 4 - 5.6     | mmol/l    |
| <b>Creatinine</b>                 | serum                        | 62 - 106    | µmol/l    |
| <b>Creatin kinase</b>             | serum                        | < 200       | U/l       |
| <b>Creatin kinase MB</b>          | serum                        | < 25        | U/l       |
|                                   |                              | < 6         | %         |
| <b>Lactate</b>                    | glycolysis inhibited plasma  | 0.63 - 2.44 | mmol/l    |
| <b>LDH</b>                        | serum                        | < 450       | U/l       |
| <b>LDL - cholesterol</b>          | serum                        | 0 - 3.4     | mmol/l    |
| <b>Lithium, therapeutic range</b> | serum                        | 0.4 - 1.4   | mmol/l    |
| <b>Magnesium</b>                  | serum                        | 0.7 - 1.0   | mmol/l    |
| <b>Microalbumin</b>               | urine                        | < 30        | mg/l      |
| <b>Sodium</b>                     | serum                        | 136 - 146   | mmol/l    |
| <b>Osmolality</b>                 | serum                        | 275 - 305   | mOsmol/kg |
| <b>Osmolality</b>                 | urine                        | 50 - 1400   | mOsmol/kg |
| <b>Total bilirubin</b>            | serum                        | 5 - 20      | µmol/l    |
| <b>total protein</b>              | serum                        | 66 - 83     | g/l       |
| <b>Total protein, urine</b>       | vizelet                      | < 0.1       | g/l       |
| <b>Prothrombin time</b>           | blood, citrate               | 80 - 120    | %         |
|                                   |                              | 0.9 - 1.15  | INR       |
| <b>Transferrin</b>                | serum                        | 2 - 3.4     | g/l       |
| <b>Transferrin saturation</b>     | serum                        | 16 - 45     | %         |
| <b>Triglyceride</b>               | serum                        | 0.8 - 2.0   | mmol/l    |
| <b>Troponin I</b>                 | serum                        | < 0.11      | µg/l      |
| <b>Iron</b>                       | serum                        | 10.6 - 28.3 | µmol/l    |

|                   |                                 |                  |            |
|-------------------|---------------------------------|------------------|------------|
| <b>Blood gas</b>  | heparin anticoagulated<br>blood |                  |            |
|                   | pH                              | 7.35 - 7.45      |            |
|                   | pCO2                            | 35.00 - 45.00    | Hgmm       |
|                   | pO2                             | 75 - 100         | Hgmm       |
|                   | Standard bicarbonate            | 20 - 26          | mmol/l     |
| <b>Hematology</b> | blood, EDTA                     |                  |            |
|                   | <b>White blood cells</b>        | <b>4.0 - 10</b>  | <b>G/l</b> |
|                   | Neutrophyl                      | 34 - 67.9        | %          |
|                   | Lymphocyte                      | 21.8 - 53.1      | %          |
|                   | Monocyte                        | 5.3 - 12.2       | %          |
|                   | Eosinophyl                      | 0 - 7.0          | %          |
|                   | Basophyl                        | 0 - 1.2          | %          |
|                   | <b>Red blood cells</b>          | <b>4.5 - 6.0</b> | <b>T/l</b> |
|                   | Hemoglobin                      | 137 - 175        | g/l        |
|                   | Hematocrit                      | 40.1 - 51        | %          |
|                   | MCV                             | 80 - 95          | fl         |
|                   | MCH                             | 26 - 33          | pg         |
|                   | MCHC                            | 310 - 360        | g/l        |
|                   | RDW                             | 11.6 - 14.4      | %CV        |
|                   | <b>Trombocytes</b>              | <b>140 - 440</b> | <b>G/l</b> |
|                   | Reticulocytes                   | 0.51 - 1.81      | %          |
| <b>Westergren</b> | blood, citrate                  | 1 - 15           | mm/h       |