

## REQUEST FORM – CLINICAL CHEMISTRY

|         |        |              |
|---------|--------|--------------|
| Name    | Phone  | Request Date |
| Account | E-mail |              |

### Specimen Details

|                  |        |                   |
|------------------|--------|-------------------|
| Species          | Strain | Sex               |
| Type of samples: |        | Number of samples |

**Requested Tests** - select any combination from the individual and predesignated panels below.

**Important!** We require a minimum 7 $\mu$ l sample volume per test – except ions which require a flat 20 $\mu$ l, irrespective of the number and type of ions measured.

#### Ions

Sodium (Na)  
Potassium (K)  
Chloride (Cl)  
Magnesium (Mg)  
Calcium (Ca)  
Phosphorous (P)  
Iron (Fe)  
Total Iron Binding Capacity (TIBC)

#### Enzymes

Alanine Aminotransferase (ALT)  
Alkaline Phosphatase (ALP)  
Amylase  
Aspartate Aminotransferase (AST)  
Creatine Kinase (CpK)  
Hydroxybutyrate Dehydrogenase (HBDH)  
Lactate Dehydrogenase (LDH)  
Lipase

#### Proteins and Organic Chemicals

Albumin  
Bilirubin (conjugated)  
Bilirubin (total)  
Creatinine  
Cholesterol (HDL)  
Cholesterol (LDL)  
Cholesterol (total)  
Ferritin  
Fructosamines  
Glucose  
Glycerol  
Lactate  
Non-Esterified Fatty Acids (NEFA)  
Total Protein  
Transferrin  
Triglycerides  
Urea  
Uric Acid

#### Standard Panels

**Panel I (liver function):** Albumin, ALP, ALT, AST, Bilirubin, Total protein, Urea  
**Panel II (renal function):** Creatinine, Urea, Uric acid  
**Panel III (pancreatic function):**  $\alpha$ -Amylase, Creatinine, Fructosamines, Glucose, Lipase  
**Panel IV (inflammation):** ALP, ALT, AST, CpK, Creatinine, Urea  
**Panel V (lipid metabolism):** Cholesterol (total, HDL and LDL), Glycerol, Lipase, NEFA, Triglycerides  
**Panel VI (cardiac and muscle function):** Na, K, Ca, CpK, HBDH, LDH  
**Panel VII (anemia profile):** Bilirubin, Fe, Ferritin, Mg, Transferrin, UIBC  
**Panel VIII (bone profile):** Ca, P, Albumin, ALP  
**Panel IX (general profile):** Na, K, Ca, P, Total protein, Albumin, ALP, AST, ALT, Urea, Creatinine, Cholesterol

#### Comments