



# Clinical Laboratory Services

**Q**uality Clinical Labs is an independent, fully GLP-compliant clinical testing laboratory acquired by SRI International, an independent research institute, in April 2006. Prior to joining SRI, QCL established itself as the premier Northern California clinical laboratory, providing services to a large number of clients since 1997. QCL specializes in providing high-quality Good Laboratory Practice (GLP) and non-GLP clinical laboratory services to the Bay Area research community.



Using state-of-the-art instrumentation and data management, we offer full-service capabilities for

- Clinical chemistry
- Hematology
- Coagulation
- Urinalysis

Our laboratory has proven records of excellent proficiency testing from the College of American Pathologists (CAP).

The laboratory is staffed with highly qualified scientists with decades of experience in clinical lab testing and compliance. Our friendly clinical lab scientists are readily available to answer any technical questions or concerns. We also provide daily courier pick-up arrangements and electronic data transmission to ensure excellent turnaround time. QCL offers a variety of standard and specialized research services. All services are available with full GLP compliance.



*Bridging the drug development gap*

## Tests Offered and Sample Requirements

For testing questions or pricing information, please contact the Laboratory.

### HEMATOLOGY

Minimum 375 uL of whole blood, anticoagulated with EDTA (1-2 mg per mL of blood). Sodium citrate (3.4 - 3.8 g/dL) is not preferred but may be used as the anticoagulant at a concentration of 1 part anticoagulant to 9 parts whole blood.

- WBC
- MCH
- Manual differential
- RBC
- MCHC
- Reticulocytes
- HCT
- RDW
- RBC Morphology
- HGB
- PLT
- MCV
- MPV

### CLINICAL CHEMISTRY

Sample should be fresh or frozen serum (no hemolysis); most individual tests require 3-40 uL of serum; separated from cells within 30 min-1 hr of collection. Minimum volume for profile should be 0.5 ml.

#### Individual Tests

- Albumin (ALB)
- Alkaline Phosphatase (ALP)
- Alanine Aminotransferase (ALT)
- Amylase (AMY-t), total
- Amylase (AMY-p), pancreatic
- Apo A, Apo B
- Aspartate Aminotransferase (AST)
- Direct Bilirubin (DBIL)
- Total Bilirubin (TBIL)
- Blood Urea Nitrogen (BUN)
- Calcium (CA)
- Creatine Kinase (CK or CPK)
- Cholesterol (CHOL)
- Creatinine (CREA)
- Free Fatty Acid (FFA)
- Gamma Glutamyltransferase (GGT)
- Globulin
- Glucose (GLU)
- High-Density Lipoprotein (HDL) Cholesterol-direct
- Total Iron (Iron)
- Total Iron Binding Capacity (TIBC)
- Lactate Dehydrogenase (LDH)
- Low-Density Lipoprotein (LDL) Cholesterol-direct
- Magnesium
- Inorganic Phosphorous
- Total Protein
- Triglycerides
- Uric Acid
- Very Low Density Lipoprotein (VLDL)
- Na, K, Cl, CO<sub>2</sub> (Electrolytes)
- Urine Chemistry: Na, K, CL, Creat, TP, CA, Albumin, BUN
- Others: Inquire

#### PROFILES

- Basic Metabolism (GLU, BUN, CREA, CA, NA, K, CL, CO<sub>2</sub>)
- Comprehensive Metabolism (GLU, CA, ALB, TP, NA, K, CL, CO<sub>2</sub>, BUN, CREA, ALP, ALT, AST, TBIL)
- Hepatic/Liver (AST, ALT, ALP, ALB, TBIL, DBIL, TP)
- Renal/Kidney (BUN, CREA, NA, K, CL, CO<sub>2</sub>, ALP, CA)
- Lipid (Chol, Trig, HDL, LDL, VLDL)
- Cardiac\* (CK, CK-MB, BNP, Tn-I, Myo, hs-CRP, homocysteine)
- Thyroid\* (T4, T3U, % Uptake, TSH, FT4)
- Iron\* (Total Iron, UIBC, TIBC, % saturation)

### COAGULATION

Each sample requires 275 uL citrated plasma. The anticoagulant of choice is sodium citrate (3.4 - 3.8 g/dL), at a concentration of 1 part anticoagulant to 9 parts whole blood.

- Prothrombin time (PT)
- Activated Partial Thromboplastin Time (APTT)
- Fibrinogen (FIB)
- Others: Inquire

### URINALYSIS

Requires a minimum of 3.0 ml urine in a screw-capped conical urine tube.

- Gross (Macro) urine chemistries examination
- Semi-quantitative urine chemistry: Glucose, Bilirubin, Ketones, Blood, pH, Protein, Urobilinogen, Nitrite, Leukocytes
- Quantitative urine chemistry: Specific gravity, Creatinine, others on request
- Microscopic: Sediment examination: WBC, RBC, Epith. Cells, Amorph, bacteria, crystals, mucus, etc.

## You Make the Call

For more information, contact our Client Services Team:

Phone: (650) 948-9911

Fax: (650) 948-9913