

Pre-Anesthetic Blood Testing

Hematology Blood Tests

The **Complete Blood Count (CBC)** provides measurements of red and white blood cells and platelets. The CBC can indicate anemia, leukemia, stress, inflammation, infection and blood clotting capabilities.

- Red Blood Cells (RBC) carry oxygen to tissues
- White Blood Cells (WBC) fight infection
- Platelets (PLT) are involved in blood clotting

Chemistry Blood Tests

Electrolytes (Na, K, Ca)

- identifies imbalances

Alanine Aminotransferase (ALT)

- increased levels may be a sign of liver disease

Alkaline Phosphatase (ALP)

- found in liver, bone, kidney and intestines. Elevated levels may indicate organ disease

Creatinine (CREA)

- increased levels may indicate kidney disease.

Glucose (GLU)

- high levels may indicate diabetes or stress. Low levels may be signs of liver disease

Total Protein (TP)

- aids in diagnosis of many conditions including dehydration and diseases of the liver, kidney and GI.

Blood Urea Nitrogen (BUN)

- helps to detect liver and kidney abnormalities