

## *What blood values we check & what they can tell us:*

**HCT (Hematocrit):** Percentage of Red Blood Cells in the blood volume. Detects anemia and determines hydration status.

**BUN (Blood Urea Nitrogen):** Produced by the liver and excreted by the kidneys. High levels can indicate kidney disease or dehydration. The kidneys filter anesthetic drugs from your pet's body.

**CREA (Creatinine):** Byproduct of muscle metabolism and excreted by the kidneys. High levels can indicate kidney disease or dehydration. The kidneys filter anesthetic drugs from your pet's body.

**ALT (Alanine Aminotransferase):** Enzyme that detects liver cell injury (may be caused by metabolic disease, inflammation, etc.). The liver helps filter anesthetic drugs from your pet's body.

**ALKP (Alkaline Phosphatase):** Enzyme from many tissues including liver & bone. Can detect liver disease, Cushing's disease or steroid therapy.

**GLU (Blood Glucose):** Helps detect diabetes.

**TP (Total Protein):** Can indicate dehydration, inflammation or disease of the liver, kidney or intestines.

*Any abnormalities in bloodwork may lead to postponement of surgery and/or a change in your pet's anesthetic plan.*