HE well-being of your pet is important when undergoing anesthesia for any procedure. Anesthetics used during your pet’s operation are extremely safe and a healthy pet undertakes minimal risk during anesthesia. However, it is important to remember that all anesthetic procedures carry some degree of risk. Prior to anesthesia, our team will review the history of your pet’s health and perform a complete physical examination and necessary blood work providing a complete physiological picture of your pet’s current health status.

Reducing the risk of anesthesia for your pet, we use state-of-the-art monitoring equipment and the safest anesthetic available. To reduce the risk of anesthesia for your pet, we fully evaluate your pet’s health, use state-of-the-art monitoring equipment, and use the safest anesthetic possible.

Abaxis is your total on-site laboratory partner, offering the comprehensive and innovative VetScan line of diagnostic instruments and single-use rapid tests.

Abaxis is your total on-site laboratory partner, offering the comprehensive and innovative VetScan line of diagnostic instruments and single-use rapid tests.

Abaxis is your total on-site laboratory partner, offering the comprehensive and innovative VetScan line of diagnostic instruments and single-use rapid tests.

Abaxis is your total on-site laboratory partner, offering the comprehensive and innovative VetScan line of diagnostic instruments and single-use rapid tests.

Abaxis is your total on-site laboratory partner, offering the comprehensive and innovative VetScan line of diagnostic instruments and single-use rapid tests.

Abaxis is your total on-site laboratory partner, offering the comprehensive and innovative VetScan line of diagnostic instruments and single-use rapid tests.

Abaxis is your total on-site laboratory partner, offering the comprehensive and innovative VetScan line of diagnostic instruments and single-use rapid tests.

Abaxis is your total on-site laboratory partner, offering the comprehensive and innovative VetScan line of diagnostic instruments and single-use rapid tests.

Abaxis is your total on-site laboratory partner, offering the comprehensive and innovative VetScan line of diagnostic instruments and single-use rapid tests.

Abaxis is your total on-site laboratory partner, offering the comprehensive and innovative VetScan line of diagnostic instruments and single-use rapid tests.

Abaxis is your total on-site laboratory partner, offering the comprehensive and innovative VetScan line of diagnostic instruments and single-use rapid tests.

Abaxis is your total on-site laboratory partner, offering the comprehensive and innovative VetScan line of diagnostic instruments and single-use rapid tests.

Abaxis is your total on-site laboratory partner, offering the comprehensive and innovative VetScan line of diagnostic instruments and single-use rapid tests.

Abaxis is your total on-site laboratory partner, offering the comprehensive and innovative VetScan line of diagnostic instruments and single-use rapid tests.

Abaxis is your total on-site laboratory partner, offering the comprehensive and innovative VetScan line of diagnostic instruments and single-use rapid tests.

Abaxis is your total on-site laboratory partner, offering the comprehensive and innovative VetScan line of diagnostic instruments and single-use rapid tests.

Abaxis is your total on-site laboratory partner, offering the comprehensive and innovative VetScan line of diagnostic instruments and single-use rapid tests.

Abaxis is your total on-site laboratory partner, offering the comprehensive and innovative VetScan line of diagnostic instruments and single-use rapid tests.

Abaxis is your total on-site laboratory partner, offering the comprehensive and innovative VetScan line of diagnostic instruments and single-use rapid tests.

Abaxis is your total on-site laboratory partner, offering the comprehensive and innovative VetScan line of diagnostic instruments and single-use rapid tests.

Abaxis is your total on-site laboratory partner, offering the comprehensive and innovative VetScan line of diagnostic instruments and single-use rapid tests.

Abaxis is your total on-site laboratory partner, offering the comprehensive and innovative VetScan line of diagnostic instruments and single-use rapid tests.

Abaxis is your total on-site laboratory partner, offering the comprehensive and innovative VetScan line of diagnostic instruments and single-use rapid tests.

Abaxis is your total on-site laboratory partner, offering the comprehensive and innovative VetScan line of diagnostic instruments and single-use rapid tests.

Abaxis is your total on-site laboratory partner, offering the comprehensive and innovative VetScan line of diagnostic instruments and single-use rapid tests.

Abaxis is your total on-site laboratory partner, offering the comprehensive and innovative VetScan line of diagnostic instruments and single-use rapid tests.
The benefits of pre-surgical testing

1. Determination of the safety of drugs used for pre-surgical medication as well as any that may be needed post-operatively
   - Prior to anesthesia, your pet will be given one or more medications to prepare for full anesthesia. Blood tests will help determine which medications are safe and appropriate for your pet.

2. Identify unseen disease
   - Disease detected before anesthesia reduces the likelihood of complications during anesthesia.
   - Detecting disease before clinical signs are apparent increases the likelihood of a successful outcome and often lessens the cost of treatment.
   - Early identification of a problem can prevent more obvious signs of tragic illness.

3. Provide surgical peace of mind
   - You are doing everything possible to ensure a positive outcome for your pet's procedure.
   - Pre-surgical testing is fast, easy and affordable insurance for your pet's health and your peace of mind.

4. Establish healthy baseline values
   - Many patients show subtle changes in their blood values over time. The changes cannot be identified without the normal level for that individual patient.
   - Normal test results are great! They indicate reduced risk associated with anesthetic procedures.

5. Evaluate your pet's ability to remove the by-products of the anesthetic medications from the body

Chemistry blood tests

Alkaline Phosphatase (ALP)
- Elevations can indicate liver swelling or decreased bile flow caused by liver disease or endocrine disorders such as thyroid disease, diabetes, Cushing's Disease or Addison's Disease and may also be an indicator of certain bone diseases.

Amylase (AMY)
- Amylase is an enzyme produced to help digest food. Elevated levels can indicate disease of the pancreas, intestines or kidney.

Bile Acids (BA)
- Bile acids are one of the best measures of liver function and are vital in identifying and monitoring liver disease, especially when taking medication that may affect the liver.

Blood Urea Nitrogen (BUN)
- BUN is made in the liver and removed from the body by the kidneys. It helps us evaluate both of these organs.

Calcium (Ca)
- Important to monitor for early signs of certain cancers. Imbalanced calcium and phosphorus levels are indicative of certain metabolic diseases such as those of the parathyroid gland and kidney disease.

Cholesterol (CHOL)
- Elevated levels may be an indication of a variety of disorders including hypothyroidism in dogs, liver and kidney disease.

Creatinine (CRE)
- An important value to monitor kidney function.

Disease and may also be an indicator of certain bone diseases.

Electrolytes (Na+, K+)
- Potassium levels are important for normal muscle function and heart rate. Sodium levels are important for body fluid balance. Both are critical to your pet’s health and aid in the diagnosis and treatment of several life threatening diseases.

Gamma Glutamyl Transferase (GGT)
- Measurement and monitoring is important for differentiating types of liver disease.

Glucagon (GLOB)
- A body protein that indicates problems such as inflammation or infection.

Glucose (GLU)
- Elevated levels can indicate problems such as diabetes.

Glucose (GLU)
- Low levels can be associated with liver disease or other issues.

Hematology blood tests

The Complete Blood Count (CBC) is a test that provides measurements of red blood cells, white blood cells and platelets. The CBC is an important tool that can detect conditions such as anemia, leukemia and other blood disorders as well as assess stress levels, inflammation and infection and blood clotting capabilities.

CBC Components

Red Blood Cells (RBCs) carry oxygen to the tissues of the body and transport carbon dioxide to be exhaled by the lungs. Anemia results when RBCs are not present in sufficient numbers. Determination of the cause of anemia is vital.

White Blood Cells (WBCs) play a major role in your pet’s immune system function. Normal baseline levels are very important to determine the importance of changes seen with infection or inflammation. Elevations noted without signs or symptoms can help us treat your pet more effectively.

Platelets are a crucial component of the blood clotting system. Adequate numbers must be present to prevent or stop bleeding. Therefore, it is very important that platelet numbers are known prior to any surgical procedure being performed and to identify clotting issues before they become critical in the non-surgical patient.

Coagulation Testing
In addition to platelets, a system called the coagulation cascade must be working properly to control and stop bleeding. Genetics, medications and toxins can affect this coagulation cascade.

Total Protein (TP)
- We utilize this value to determine many conditions such as anemia and diseases of the liver, kidney and gastrointestinal tract.

Total Bilirubin (TBIL)
- An important value to evaluate the liver and when there is a low red blood cell count.

The benefits of pre-surgical testing

1. Determination of the safety of drugs used for pre-surgical medication as well as any that may be needed post-operatively
   - Prior to anesthesia, your pet will be given one or more medications to prepare for full anesthesia. Blood tests will help determine which medications are safe and appropriate for your pet.

2. Identify unseen disease
   - Disease detected before anesthesia reduces the likelihood of complications during anesthesia.
   - Detecting disease before clinical signs are apparent increases the likelihood of a successful outcome and often lessens the cost of treatment.
   - Early identification of a problem can prevent more obvious signs of tragic illness.

3. Provide surgical peace of mind
   - You are doing everything possible to ensure a positive outcome for your pet’s procedure.
   - Pre-surgical testing is fast, easy and affordable insurance for your pet’s health and your peace of mind.

4. Establish healthy baseline values
   - Many patients show subtle changes in their blood values over time. The changes cannot be identified without the normal level for that individual patient.
   - Normal test results are great! They indicate reduced risk associated with anesthetic procedures.

5. Evaluate your pet’s ability to remove the by-products of the anesthetic medications from the body

Chemistry blood tests

Alkaline Phosphatase (ALP)
- Elevations can indicate liver swelling or decreased bile flow caused by liver disease or endocrine disorders such as thyroid disease, diabetes, Cushing’s Disease or Addison’s Disease and may also be an indicator of certain bone diseases.

Amylase (AMY)
- Amylase is an enzyme produced to help digest food. Elevated levels can indicate disease of the pancreas, intestines or kidney.

Bile Acids (BA)
- Bile acids are one of the best measures of liver function and are vital in identifying and monitoring liver disease, especially when taking medication that may affect the liver.

Blood Urea Nitrogen (BUN)
- BUN is made in the liver and removed from the body by the kidneys. It helps us evaluate both of these organs.

Calcium (Ca)
- Important to monitor for early signs of certain cancers. Imbalanced calcium and phosphorus levels are indicative of certain metabolic diseases such as those of the parathyroid gland and kidney disease.

Cholesterol (CHOL)
- Elevated levels may be an indication of a variety of disorders including hypothyroidism in dogs, liver and kidney disease.

Creatinine (CRE)
- An important value to monitor kidney function.

Disease and may also be an indicator of certain bone diseases.

Electrolytes (Na+, K+)
- Potassium levels are important for normal muscle function and heart rate. Sodium levels are important for body fluid balance. Both are critical to your pet’s health and aid in the diagnosis and treatment of several life threatening diseases.

Gamma Glutamyl Transferase (GGT)
- Measurement and monitoring is important for differentiating types of liver disease.

Glucagon (GLOB)
- A body protein that indicates problems such as inflammation or infection.

Glucose (GLU)
- Elevated levels can indicate problems such as diabetes.

Glucose (GLU)
- Low levels can be associated with liver disease or other issues.

Hematology blood tests

The Complete Blood Count (CBC) is a test that provides measurements of red blood cells, white blood cells and platelets. The CBC is an important tool that can detect conditions such as anemia, leukemia and other blood disorders as well as assess stress levels, inflammation and infection and blood clotting capabilities.

CBC Components

Red Blood Cells (RBCs) carry oxygen to the tissues of the body and transport carbon dioxide to be exhaled by the lungs. Anemia results when RBCs are not present in sufficient numbers. Determination of the cause of anemia is vital.

White Blood Cells (WBCs) play a major role in your pet’s immune system function. Normal baseline levels are very important to determine the importance of changes seen with infection or inflammation. Elevations noted without signs or symptoms can help us treat your pet more effectively.

Platelets are a crucial component of the blood clotting system. Adequate numbers must be present to prevent or stop bleeding. Therefore, it is very important that platelet numbers are known prior to any surgical procedure being performed and to identify clotting issues before they become critical in the non-surgical patient.

Coagulation Testing
In addition to platelets, a system called the coagulation cascade must be working properly to control and stop bleeding. Genetics, medications and toxins can affect this coagulation cascade.