Peace of mind!

We will screen for some of the following conditions to determine your pet's health status and ability to tolerate anesthesia.



Thyroi

Biochemistry and serum

T₄ tests can indicate

thyroid disease.

Feeth Dental exams uncover

abnormalities in teeth

and the soft tissue of

the mouth. Oral disease

may indicate secondary

health problems.

Heart and Lungs

Immunoassay tests

as in the lungs.

can detect heartworm

infection, which can cause

disease in the heart as well

Liver Biochemistry tests can indicate Liver disease Dehydration

· Obstruction of the bile ducts · Abnormalities resulting from long-term medications

CBC is used to screen for:

 Anemia (low red) blood cells) Inflammation Infection Stress Leukemia

Bleeding problem

· Inability to fight infection Hydration status

Pancreas and Intestine

Biochemistry tests can indicate · Pancreatitis (inflammation of the nancreas) Diabetes mellitus · Abnormalities resulting from long-term medications Cancer Fecal tests identify parasites that can cause: Diarrhea · Weight loss

 Blood loss · Infections in humans (zoonosis)

Help us keep your pet healthy with preanesthetic testing.

To ensure your pet can properly process and eliminate an anesthetic, we run tests to confirm that your pet's organs are functioning properly and to find hidden health conditions that could put your pet at risk.

THE TOP FOUR REASONS TO TEST YOUR PET **BEFORE ANESTHESIA:**

1. Enjoy peace of mind. Testing can significantly reduce medical risk.

2. Detect hidden illness.

Healthy-looking pets may be hiding symptoms of a disease or ailment. Testing helps detect this kind of illness so we can avoid problems with anesthesia.

3. Reduce risks and consequences.

If the preanesthetic testing results are normal, we can proceed with confidence. If not, we can alter the anesthetic procedure or take other precautions to safeguard your pet's health.

4. Protect your pet's future health.

These tests become part of your pet's medical record, providing a baseline for future reference.

Call us if you have questions or need more complete information about your pet's procedure.

telephone

Practice what's possible



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What you should know about Anesthesia and your pet

Early detection, early intervention...

Heart and Lungs

Immunoassay tests



Liver Biochemistry tests can indicate: can detect heartworm · Liver disease · Cushing's syndrome as in the lungs. · Abnormalities resulting

from long-term medications

Biochemistry and serum T₄ tests can indicate infection, which can cause thyroid disease. disease in the heart as well

Dental exams

uncover abnormalities

in teeth and the soft

tissue of the mouth

Oral disease may

indicate secondary

health problems.







Inflammation

Infection

Stress

Leukemia

Bleeding problem

· Inability to fight

Hydration status

infection

 Early kidney disease Kidnev failure Infection Stones Cancer

 Abnormalities resulting from long-term medications Urinalysis and urine protein: creatinine ratio tests are used to better evaluate: Kidney function Urinary Tract

· Kidney infection

· Abnormalities resulting from long-term medications Cancer Fecal tests identify parasites that can cause: Diarrhea Weight loss Blood loss · Infections in humans (zoonosis)

Pancreas and Intestine

Biochemistry tests can indicate:

· Pancreatitis (inflammation of

the nancreas)

Diabetes mellitus

· Abnormalities resulting from



- · Kidney function Urinary Tract · Kidney infection

long-term medications Urinalysis and urine protein: creatinine ratio tests are used to better evaluate:

Blood and urine tests

· Early kidney disease

Kidney failure

can indicate:

Infection

Stones

Cancer

To help ensure safe anesthesia for your pet, we will run a combination of the following tests.

Complete Blood Count (CBC) A CBC provides detailed information about red blood cells, white

help identify underlying stress, inflammation, an inability to fight infection and potentially, leukemia.

blood cells and platelets. The total white blood cell count, along with individual leukocyte counts, can

BLOOD CHEMISTRY	PREANESTHETIC PANEL (PAP)		
	Alkaline Phosphatase (ALKP) An enzyme present in multiple tissues, including liver and bone. Elevated levels can indicate liver disease, Cushing's syndrome or steroid therapy. Total Protein (TP) The level of TP can indicate a variety of conditions, including dehydration, inflammation	Alanine Aminotransferase (ALT) An enzyme that becomes elevated with liver cell injury.	
		Creatinine (CREA) Creatinine is a byproduct of muscle metabolism and is excreted by the kidneys. Elevated levels can indicate kidney disease, urinary tract obstruction or dehydration.	
			and diseases of the liver, kidney or intestine. Blood Urea Nitrogen (BUN) BUN is produced by the liver and excreted by the kidneys. Abnormally high levels can indicate kidney disease or dehydration, and low levels can be associated with liver disease.
	ELECTROLYTES	Sodium, Potassium, Chloride (Na ⁺ , K ⁺ , Cl ⁻) The balance of these electrolytes is vital to your pet's health. Abnormal levels can be life-threatening. Electrolyte tests are important when evaluating vomiting, diarrhea, dehydration and cardiac (heart) symptoms.	
URINALYSIS	(UA) The urine contains byproducts from many organs, such as the kidneys, liver and pancreas. Abnormal levels of these byproducts can indicate diabetes or liver or urinary tract disease.		
ELECTROCARDIOGRAM	(ECG) Detects heart rate and electrical rhythm. Certain abnormal rhythms and heart rates can be harmful to animals undergoing anesthesia.		
ENDOCRINOLOGY	Thyroxine (T ₄) This is a measurement of the level of thyroid hormone circulating in the blood, and is helpful in identifying thyroid disease. Thyroid disease occurs in both dogs and cats, and can have a serious impact on health if left untreated. Testing is especially important in cats older than seven years.		
OTHER TESTS	Heartworm Heartworms are parasites that can live in the heart, major blood vessels and the lungs. Le untreated, heartworms can be life-threatening.		
	Gamma-Glutamyl Transferase (GGT) Increases in GGT, a liver enzyme, are a measure of cholestasis		
CANINE-SPECIFIC TESTS	Lipase (LIPA) Elevated levels of lipase in the blood, along with a clinical assessment, can signify possible pancreatitis, gastrointestinal disease and certain drug treatments.		
7	Tick-Borne Diseases Common tick-borne disease anaplasmosis, can cause serious illness.	es, such as Lyme disease, ehrlichiosis and	
FELINE-SPECIFIC TESTS	Feline Immunodeficiency Virus (FIV) and Felin	e Leukemia Virus (FeLV) FIV and Fel V infection	

HEMATOLOGY

Low platelet numbers can indicate a potential bleeding problem. We might advise that surgery be delayed if anemia, inflammation or especially a low platelet count is present because these conditions could cause serious surgical complications.

GENERAL HEALTH PROFILE (GHP) [PAP PLUS THE FOLLOWING TESTS]

Albumin (ALB) A protein that is produced by the liver. Reduced levels of this protein can point by the pancreas. The pancreas secretes to chronic liver, kidney, inflammatory or intestinal amylase to aid in digestion. Elevated levels in disease.

are seen in a variety of disorders, including hypothyroidism and liver or kidney disease.

Total Bilirubin (TBIL) Bilirubin is a breakdown product of hemoglobin, as well as a component of bile. Blood bilirubin levels are useful in indicating liver disease and may help identify certain types of anemia.

Amylase (AMYL) An enzyme produced the blood can indicate pancreatic disease.

Cholesterol (CHOL) Elevated levels of cholesterol Phosphorus (PHOS) Elevated phosphorus can be an indicator of kidney disease.

> Calcium (Ca⁺) Increased levels can be seen with diseases of the parathyroid gland and kidneys, or as an indicator of certain types of tumors.

Appointment schedule

Pet:



Date:	
Doctor:	
Telephone number:	
Reason for appointm	nent:
Dental procedure	X-ray or ultrasound*
Spay/Neuter	Ear flushing*

□ Grooming*	
Surgery	

Other

*We will administer a sedative if your pet is too anxious or overactive for this procedure.

Suggested Preanesthetic Testing Guidlines			
Youth (<1 year) Healthy	Adult (1–7 years) Healthy	Senior (+7 years) Sick all ages	
All Small Pets			
CBC	CBC	CBC	
PAP	GHP or (PAP + ALB)	GHP or DHP*	
ALB [†]	_	_	
Electrolytes	Electrolytes	Electrolytes	
JA	UA	UA	
ECG	ECG	ECG	
_	_	T ₄	
_	GGT	GGT	
	Heartworm	Heartworm	
Canine-Specific			
_	LIPA	LIPA	
Fick-borne Diseases	Tick-borne Diseases	Tick-borne Diseases	
Feline-Specific			
FIV/FeLV	FIV/FeLV	FIV/FeLV	

The Diagnostic Health Panel (DHP) gives you a choice when establishing a minimum database; LIPA monitors pancreatic health and GGT better characterizes cholestatic liver disease in dogs and cats. This is the recommended testing protocol for any patient when illness is suspected prior to an anesthetic event.

[†]ALB (albumin) plays a role in maintaining oncotic pressure, regulating blood volume as well as transporting many hormones, drugs and other substances used during anesthesia. ALB is also used to determine GLOB (globulin) levels.