

UNDERSTANDING YOUR PET'S BLOOD TESTS

Blood tests help doctors determine the causes of illness, and		ALB (albumin) is a serum protein that helps
identify surgical risk factors accurately, safely, and quickly.		evaluate hydration, hemorrhage, and intestinal,
We can also monitor the progress of medical treatments.		liver and kidney disease.
To help you understand your pet's results this guide explains		ALKP (Alkaline phosphatase) elevations may
common tests. If you have question, ask any staff member.		indicate liver damage, Cushing's disease and active
We want you to understand our recommendations and be a		bone growth in young pets.
participant in your pet's health care.		ALT (alanine aminotransferase) is a sensitive
participant in your pet 5 nearth care.	ш	indicator of liver damage but does not indicate the
COMPLETE BLOOD COUNT (CBC)		cause.
This gives information on hydration status, anemia,		AST (aspartate transferase) increases may indicate
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infection, clotting ability, and the ability of the immune		liver, heart or skeletal muscle damage.
system to respond. This is an essential test for pets with		TBIL (total bilirubin) elevations may indicate liver
fevers, vomiting, diarrhea, weakness, pale gums, or loss of		or hemolytic disease. This test helps identify bile
appetite. If your pet needs surgery, a CBC can detect		duct problems and certain types of anemia.
bleeding disorders or other unseen abnormalities.	Ш	GGT (gamma glutamyl transferase) is an enzyme
		that indicates liver disease or corticosteroid excess.
HCT (hematocrit) measures the % of red blood		TP (total protein) indicates hydration status and
cells to detect anemia and dehydration.		provides additional information about liver, kidneys
☐ HGB and MCHC (hemoglobin and mean		and infectious diseases.
corpuscular hemoglobin concentration) are the		GLU (glucose) is a blood sugar. Elevated glucose
oxygen-carrying pigments of red blood cells.		may indicate diabetes mellitus. Low levels may
■ WBC (white blood cells) measures the body's		cause collapse, seizures, or coma.
immune cells. Increases or decreases indicate		AMYL (amylase) elevations may indicate
certain diseases or infections.		pancreatitis or kidney disease.
☐ GRANS and L/M (granulocytes and lymphocytes/		LIP (lipase) is an enzyme that may indicate
monocytes) are specific types or white blood cells.		pancreatitis.
EOS (eosinophils) are a specific type of white	П	CHOL (cholesterol) is used to supplement
blood cells that can indicate allergic or parasitic	_	diagnosis of hypothyroidism, liver disease,
conditions.		Cushing's disease, and diabetes mellitus.
PLT (platelet count) measures the cells that form	П	GLOB (globulin) is a blood protein that often
blood clots.	ш	increases with chronic inflammation and certain
RETICS (reticulocytes) are immature red blood		disease states.
cells. High levels indicate regenerative anemia.	П	T_4 (serum tetraiodthyronine) is a thyroid hormone.
cons. Then to vois maleate regenerative uneitha.	ш	Increased levels often signal hyperthyroidism in
BLOOD CHEMISTRIES		cats, and decreased levels may show
These common blood serum tests evaluate organ function,		hypothyroidism in dogs.
electrolyte status, hormone levels, and more. They are		Cortisol is a hormone that is measured in tests of
important in evaluating your pet's health status before	Ш	
anesthesia, especially your pet's ability to process and		Cushing's disease and Addison's disease.
excrete anesthetics. These tests are also important for older	Ш	CL (chloride) is often lost with vomiting and
pets, pets with vomiting and diarrhea or toxin exposure and		Addison's disease. Elevations may indicate
pets receiving long-term medications.		dehydration.
F	Ш	NA (sodium) is often lost with vomiting, diarrhea,
☐ BUN (blood urea nitrogen) indicates kidney		kidney disease and Addison's disease. This test
function. An increased blood waste product level is		helps indicate hydration status.
called azotemia and can be caused by kidney, liver		K (potassium) is often lost with vomiting, diarrhea,
and heart disease, urethral obstruction, shock and		or excessive urination. Increased levels may
dehydration.		indicate kidney failure, Addison's disease,
		dehydration, and urethral obstruction. High levels
CREA (creatinine) reveals kidney function. This		can lead to cardiac arrest.
test helps distinguish between kidney and non-		
kidney causes of elevated BUN.	O T	HER TESTS
PHOS (phosphorus) is often associated with kidney		Heartworm – this tests for deadly parasites that
disease, hyperthyroidism, and bleeding disorders.	_	can live in the heart or lungs, that are spread by
CA (calcium) deviations can indicate a variety of		mosquitoes.
diseases such as tumors, kidney disease, and		FELV/FIV – this tests for the leukemia virus
hyperparathyroidism.		and feline immunodeficiency virus, that can be
		easily transmitted throughout the cat population.
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