

Pet Doctors Veterinary Supplies and Services

Chemistry Test Report

Pet Name: Almond
Gender: Female
Sample ID: 2610010001

Owner Name: Marc Calicdan
Age: 5 Years
Sample Type: Serum

Species: Canine
Patient or Visit No.:
Time Tested: 01/10/2026 13:55:05

Test Panel: Check-up 16 Profile

Test	Result	Unit	Reference Range	Low	Normal	High	
TP	88.0	↑ g/L	52-82				Whole Body
ALB	28.2	g/L	22-44				Liver, Kidney
GLOB	59.8	↑ g/L	20-52				Whole Body
ALB/GLOB	0.5						Calculated value
TBIL	4.95	umol/L	2-15				Whole Body, Liver
ALT	46	U/L	10-140				Liver
ALP	103	U/L	20-150				Liver
AMYL	1760	U/L	200-1800				Pancreas
CK	280	↑ U/L	20-200				Myocardium, Skeletal muscle
CREA	648	↑ umol/L	27-149				Kidney
BUN	≥35.7	↑ mmol/L	2.5-11.5				Kidney
BUN/CREA	---						Calculated value
GLU	16.68	↑ mmol/L	3.89-7.95				Whole Body
CHOL	8.19	mmol/L	2.84-8.26				Whole Body
Ca	1.91	↓ mmol/L	1.98-2.95				Whole Body
PHOS	≥7	↑ mmol/L	0.81-2.2				Kidney

Clinical Significance

TP	Elevated levels: ① Dehydration; ② Increased albumin; ③ Increased immunoglobulin: myeloma, infectious diseases, etc.
GLOB	Elevated levels: ① Tumors: lymphoma, multiple myeloma, etc.; ② Infectious diseases: bacterial, fungal, parasitic, protozoal, viral; ③ Immune-mediated/inflammatory: hepatitis, nephritis, purulent diseases, allergies, IMHA, lupus erythematosus, polyarthritis, etc.
CK	Elevated levels: ① Myocardial necrosis; ② Strenuous exercise; ③ Prolonged recumbency; ④ Skeletal muscle injury; ⑤ Neurological disease; ⑥ Hypothyroidism; ⑦ Hemolysis or intramuscular injection during blood draw.
CREA	Elevated levels: ① Pre-renal conditions: insufficient renal perfusion, dehydration, extensive muscle damage; ② Renal diseases: severe renal diseases; ③ Post-renal: urethral obstruction; ④ Physiological increase: animals with rich muscle tissue.
BUN	Elevated levels: ① Pre-renal: dehydration, high-protein diet, gastrointestinal bleeding, shock, hypoalbuminemia; ② Renal: acute/chronic interstitial nephritis, acute renal tubular necrosis, chronic renal failure, chronic glomerulonephritis, amyloidosis, pyelonephritis, tumors; ③ Post-renal: urinary tract obstruction (stones, tumors, prostatic diseases, feline lower urinary tract disease), bladder rupture.
GLU	Elevated levels: ① Drugs: corticosteroids, progesterone; ② Physiological: postprandial, stress, excitement; ③ Diseases: diabetes mellitus, hyperadrenocorticism, acromegaly, hyperthyroidism, pancreatitis, pheochromocytoma.
Ca	Decreased levels: ① Pancreatitis; ② Postpartum hypocalcemia; ③ Malabsorption in the small intestine; ④ Acute/chronic renal failure; ⑤ Hypothyroidism, thyroid cancer (increased calcitonin).
PHOS	Elevated levels: ① Vitamin D toxicity; ② Renal disease; ③ Fracture healing period; ④ Acromegaly; ⑤ Growing puppies and kittens; ⑥ Excess vitamin D intake; ⑦ Hypoparathyroidism; ⑧ Lymphoma, developmental disorders; ⑨ Pseudo-elevation due to hemolysis.

Veterinary Technician: not specified

Attending Veterinarian: Dr. Marian Grace Wanagen

Date Reported: 01/10/2026

This report is solely for the received sample and serves as a diagnostic reference for veterinarians.



Hospital Tel.: +639171533903

Hospital Add.: McArthur Highway, San Miguel, Calasiao, Pangasinan

Hospital Email: pdvc.calasiao@gmail.com

