

Pet Doctors Veterinary Supplies and Services

Chemistry Test Report

Pet Name: Summer
 Gender: Female
 Sample ID: 2606030001

Owner Name: Gil Vinluan
 Age: 6 Years
 Sample Type: Serum

Species: Canine
 Patient or Visit No.:
 Time Tested: 03/06/2026 13:59:57

Test Panel: Comprehensive 24 Profile

Test	Result	Unit	Reference Range	Low	Normal	High	
TP	80.9	g/L	52-82				Whole Body
ALB	20.1 ↓	g/L	22-44				Liver, Kidney
GLOB	60.8 ↑	g/L	20-52				Whole Body
ALB/GLOB	0.3						Calculated value
TBIL	10.62	umol/L	2-15				Whole Body, Liver
GGT	4.6	U/L	0-7				Liver
AST	50	U/L	8.9-55				Liver
ALT	17	U/L	10-140				Liver
AST/ALT	2.94						Calculated value
ALP	29	U/L	20-150				Liver
TBA	6.05	umol/L	0-20				Liver, Gallbladder
AMYL	1554	U/L	200-1800				Pancreas
CK	270 ↑	U/L	20-200				Myocardium, Skeletal muscle
CREA	1678 ↑	umol/L	27-149				Kidney
BUN	≥35.7 ↑	mmol/L	2.5-11.5				Kidney
BUN/CREA	---						Calculated value
GLU	6.68	mmol/L	3.89-7.95				Whole Body
CHOL	4.42	mmol/L	2.84-8.26				Whole Body
TRIG	0.89	mmol/L	0.1-0.9				
tCO2	12	mmol/L	12-27				Whole Body
Ca	2.30	mmol/L	1.98-2.95				Whole Body
PHOS	5.70 ↑	mmol/L	0.81-2.2				Kidney
Ca×P	163	mg/dL					
Mg	1.47 ↑	mmol/L	0.6-1.09				

Clinical Significance

ALB	Decreased levels: ① Malnutrition; ② Chronic wasting diseases; ③ Acute decrease seen in massive hemorrhage; ④ Blood dilution due to large volume infusion; ⑤ Chronic infections, tumors, trauma; ⑥ Hepatic dysfunction, decreased synthesis, ascites formation; ⑦ Renal diseases: glomerulonephritis, protein-losing nephropathy; ⑧ Severe malnutrition due to long-term starvation, diarrhea, malabsorption/digestion.
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.
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.
Mg	Elevated levels: ① Hemolysis; ② Renal failure; ③ Hepatic disease; ④ Diabetic coma; ⑤ Hypothyroidism; ⑥ Obstructive uropathy; ⑦ Adrenocortical insufficiency.



Hospital Tel.: +639171533903

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



Veterinary Technician: not specified

Attending Veterinarian: Dr. Ricardo Valdez

Date Reported: 03/06/2026

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



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