

Pet Doctors Veterinary Supplies and Services

Chemistry Test Report

Pet Name: Eveready

Gender: Male

Sample ID: 2610200001

Test Panel: Comprehensive 24 Profile

Owner Name: Gecca Carvajal

Age: 7 Years

Sample Type: Serum

Tip:

Species: Feline

Patient or Visit No.:

Time Tested: 20/10/2026 14:13:22

Test	Result	Unit	Reference Range	Low	Normal	High	
TP	97.8	↑ g/L	54-89				Whole Body
ALB	33.5	g/L	22-45				Liver, Kidney
GLOB	64.3	↑ g/L	15-57				Whole Body
ALB/GLOB	0.5						Calculated value
TBIL	8.11	umol/L	2-15				Whole Body, Liver
GGT	1.5	U/L	0-2				Liver
AST	23	U/L	9.2-60				Liver
ALT	34	U/L	8.2-123				Liver
AST/ALT	0.68						Calculated value
ALP	16	U/L	10-90				Liver
TBA	7.24	umol/L	0-15				Liver, Gallbladder
AMYL	≥3500	↑ U/L	200-1800				Pancreas
CK	169	U/L	50-450				Myocardium, Skeletal muscle
CREA	1745	↑ umol/L	27-223				Kidney
BUN	≥35.7	↑ mmol/L	3.6-15.5				Kidney
BUN/CREA	---						Calculated value
GLU	6.75	mmol/L	4.11-8.84				Whole Body
CHOL	6.19	↑ mmol/L	1.68-5.81				Whole Body
TRIG	1.61	↑ mmol/L	0.1-0.9				
tCO2	11	↓ mmol/L	15-24				Whole Body
Ca	2.71	mmol/L	1.95-2.95				Whole Body
PHOS	≥7	↑ mmol/L	1-2.74				Kidney
Ca×P	321	mg/dL					
Mg	≥1.6	↑ mmol/L	0.7-1.21				

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.
AMYL	Elevated levels: ① Drug effects: corticosteroids; ② Gastrointestinal diseases: intestinal obstruction, inflammation; ③ Pancreatic diseases: pancreatitis, pancreatic necrosis, tumors, pancreatic duct obstruction; ④ Renal diseases: decreased clearance of amylase by the kidneys in animals with renal disease, leading to elevated serum amylase.
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.
CHOL	Elevated levels: ① Hypothyroidism; ② Diabetes mellitus; ③ Severe trauma; ④ Acute pancreatitis; ⑤ Lipodystrophy; ⑥ Protein-losing nephropathy; ⑦ Spontaneous hyperlipidemia; ⑧ Hepatic injury, biliary obstruction; ⑨ Hyperadrenocorticism; ⑩ Physiological increase after a fatty meal, high-fat diet.
TRIG	Elevated levels: ① Hypothyroidism; ② Diabetes mellitus; ③ Pancreatitis; ④ Cholestasis; ⑤ Fasting (obesity); ⑥ Spontaneous hyperlipidemia; ⑦ Hyperadrenocorticism; ⑧ Spontaneous hyperchylomicronemia; ⑨ Physiological increase after a fatty meal.
tCO2	Decreased levels: ① Metabolic acidosis; ② Respiratory alkalosis.



Hospital Tel.: +639171533903

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

Hospital Email: pdvc.calasiao@gmail.com



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.

Veterinary Technician:n/a

Attending Veterinarian:Dr. Marian Grace Wanagen

Date Reported:20/10/2026

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

