

Pet Doctors Veterinary Supplies and Services

Chemistry Test Report

Pet Name: Hatchi
Gender: Male
Sample ID: 2607020001

Owner Name: Mary Ann Siapno
Age: 10 Years
Sample Type: Serum

Species: Canine
Patient or Visit No.:
Time Tested: 02/07/2026 10:15:17

Test Panel: Comprehensive 24 Profile

Test	Result	Unit	Reference Range	Low	Normal	High	
TP	69.1	g/L	52-82				Whole Body
ALB	27.9	g/L	22-44				Liver, Kidney
GLOB	41.2	g/L	20-52				Whole Body
ALB/GLOB	0.7						Calculated value
TBIL	9.72	umol/L	2-15				Whole Body, Liver
GGT	2.1	U/L	0-7				Liver
AST	340	↑ U/L	8.9-55				Liver
ALT	76	U/L	10-140				Liver
AST/ALT	4.47						Calculated value
ALP	123	U/L	20-150				Liver
TBA	9.28	umol/L	0-20				Liver, Gallbladder
AMYL	1560	U/L	200-1800				Pancreas
CK	450	↑ U/L	20-200				Myocardium, Skeletal muscle
CREA	457	↑ umol/L	27-149				Kidney
BUN	≥35.7	↑ mmol/L	2.5-11.5				Kidney
BUN/CREA	22						Calculated value
GLU	6.20	mmol/L	3.89-7.95				Whole Body
CHOL	7.61	mmol/L	2.84-8.26				Whole Body
TRIG	1.12	↑ mmol/L	0.1-0.9				
tCO2	16	mmol/L	12-27				Whole Body
Ca	2.17	mmol/L	1.98-2.95				Whole Body
PHOS	4.02	↑ mmol/L	0.81-2.2				Kidney
Ca×P	108	mg/dL					
Mg	1.15	↑ mmol/L	0.6-1.09				

Clinical Significance

AST	Elevated levels: ① Hepatic system diseases; ② Hemolysis, lipemia causing false elevation; ③ Equine paralytic myoglobinuria; ④ Cardiac injury: myocarditis, myocardial infarction; ⑤ Skeletal muscle diseases: canine degenerative myopathy, muscle injury; ⑥ Drug/toxin effects: barbiturates, corticosteroids, nonsteroidal anti-inflammatory drugs, ketoconazole, 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.
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.
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. Marian Grace Wanagen

Date Reported: 02/07/2026

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



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