Pet Doctors Veterinary Supplies and Services

Chemistry Test Report

Pet Name: Eli
Owner Name: Kristine Lafiguera
Species: Feline
Gender: Male
Age: 5 Years
Patient or Visit No.:
Sample ID: 2607250002
Sample Type: Whole Blood
Time Tested: 25/07/2026 10:32:38

Test Panel： Comprehensive 24 Profile

Test	Result		Unit	Reference Range	Low | Normal | High	
TP	81.3		g/L	54-89		Whole Body
ALB	28.7		g/L	22-45		Liver, Kidney
GLOB	52.6		g/L	15-57		Whole Body
ALB/GLOB	0.5					Calculated value
TBIL	124.37	↑	umol/L	2-15		Whole Body, Liver
GGT	19.4	↑	U/L	0-2		Liver
AST	330	↑	U/L	9.2-60		Liver
ALT	853	↑	U/L	8.2-123		Liver
AST/ALT	0.39					Calculated value
ALP	818	↑	U/L	10-90		Liver
TBA	63.9	↑	umol/L	0-15		Liver, Gallbladder
AMYL	1123		U/L	200-1800		Pancreas
CK	178		U/L	50-450		Myocardium, Skeletal muscle
CREA	109		umol/L	27-223		Kidney
BUN	7.00		mmol/L	3.6-15.5		Kidney
BUN/CREA	16					Calculated value
GLU	7.47		mmol/L	4.11-8.84		Whole Body
CHOL	3.67		mmol/L	1.68-5.81		Whole Body
TRIG	1.50	↑	mmol/L	0.1-0.9		
tCO2	18		mmol/L	15-24		Whole Body
Ca	2.71		mmol/L	1.95-2.95		Whole Body
PHOS	1.56		mmol/L	1-2.74		Kidney
Ca×P	52		mg/dL			
Mg	0.84		mmol/L	0.7-1.21		

Clinical Significance

TBIL — **Elevated levels:**① Pre-hepatic diseases or hemolysis: canine ehrlichiosis, canine and feline babesiosis, onion poisoning, and other hemolytic diseases; ② Hepatic diseases: cholestatic hepatitis, infectious canine hepatitis, leptospirosis, bacterial hepatitis, cirrhosis, etc.; ③ Post-hepatic diseases: biliary obstructive diseases, gallstones, etc.; ④ Acute and chronic hepatitis, biliary tract obstruction, acute necrotic hepatitis, metastatic liver cancer, hemolytic jaundice, post-transfusion hemolysis, malignant anemia.

GGT — **Elevated levels:**① Jaundice; ② Lipemia causing false elevation; ③ Drug effects: barbiturates, corticosteroids, nonsteroidal anti-inflammatory drugs, etc.; ④ Hepatic diseases: liver tumors, chronic hepatitis, cirrhosis, hepatic lipidosis; ⑤ Extrahepatic diseases: cholecystitis, gallstones, gallbladder mucinous cyst, hyperthyroidism, pancreatitis, hypoadrenocorticism, etc.

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.

ALT — **Elevated levels:**① Drug effects; ② Hemolysis, lipemia causing false elevation; ③ Metabolic disorders and secondary liver diseases; ④ Hyperthyroidism, cardiac insufficiency, severe anemia, shock; ⑤ Primary hepatocyte and hepatobiliary diseases: infectious hepatitis, feline infectious peritonitis, leptospirosis, hepatotoxin diseases.

ALP — **Elevated levels:**① Primary or metastatic tumors; ② Acute toxic liver injury; ③ Normal in young growing animals; ④ Bone marrow diseases causing increased osteoblast activity; ⑤ Hemolysis, lipemia, hyperbilirubinemia causing false elevation; ⑥ Drug/toxin effects: corticosteroids, barbiturates, aflatoxins, etc.; ⑦ Hepatobiliary diseases: cholangitis, chronic hepatitis, cirrhosis, hepatic lipidosis, etc.; ⑧ Endocrine diseases: hyperthyroidism, hyperadrenocorticism, diabetes.

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

TBA	**Elevated levels:**① Significantly elevated in acute hepatitis; ② Chronic hepatitis, cirrhosis, liver cancer; ③ Congenital or acquired portosystemic shunts; ④ Cholestasis: biliary disease, acute and chronic biliary obstruction.
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.

Veterinary Technician:not specified

Attending Veterinarian:Dr. Ricardo Valdez

Date Reported:25/07/2026

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