

Pet Doctors Veterinary Supplies and Services

Chemistry Test Report

Pet Name: Night
Gender: Male
Sample ID: 2610070001

Owner Name: Shekeenah Mateo
Age: 4 Years
Sample Type: Serum

Species: Canine
Patient or Visit No.:
Time Tested: 07/10/2026 11:11:21

Test Panel: Comprehensive 24 Profile

Test	Result	Unit	Reference Range	Low	Normal	High	
TP	69.1	g/L	52-82				Whole Body
ALB	25.2	g/L	22-44				Liver, Kidney
GLOB	43.9	g/L	20-52				Whole Body
ALB/GLOB	0.6						Calculated value
TBIL	7.26	umol/L	2-15				Whole Body, Liver
GGT	1.9	U/L	0-7				Liver
AST	23	U/L	8.9-55				Liver
ALT	53	U/L	10-140				Liver
AST/ALT	0.43						Calculated value
ALP	182	↑ U/L	20-150				Liver
TBA	36.0	↑ umol/L	0-20				Liver, Gallbladder
AMYL	2916	↑ U/L	200-1800				Pancreas
CK	86	U/L	20-200				Myocardium, Skeletal muscle
CREA	56	umol/L	27-149				Kidney
BUN	4.71	mmol/L	2.5-11.5				Kidney
BUN/CREA	21						Calculated value
GLU	5.37	mmol/L	3.89-7.95				Whole Body
CHOL	6.92	mmol/L	2.84-8.26				Whole Body
TRIG	1.07	↑ mmol/L	0.1-0.9				
tCO2	18	mmol/L	12-27				Whole Body
Ca	2.34	mmol/L	1.98-2.95				Whole Body
PHOS	1.08	mmol/L	0.81-2.2				Kidney
Ca×P	31	mg/dL					
Mg	0.61	mmol/L	0.6-1.09				

Clinical Significance

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.
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.
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.
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:n/a

Attending Veterinarian:Dr. Marian Grace Wanagen

Date Reported:07/10/2026

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



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