

Pet Doctors Veterinary Supplies and Services

Chemistry Test Report

Pet Name: Akio
Gender: Male
Sample ID: 2608160001

Owner Name: Kaila Finuliar
Age: 1 Years
Sample Type: Serum

Species: Canine
Patient or Visit No.:
Time Tested: 16/08/2026 13:06:26

Test Panel: Comprehensive 24 Profile

Test	Result	Unit	Reference Range	Low	Normal	High	
TP	66.6	g/L	52-82				Whole Body
ALB	35.5	g/L	22-44				Liver, Kidney
GLOB	31.1	g/L	20-52				Whole Body
ALB/GLOB	1.1						Calculated value
TBIL	2.22	umol/L	2-15				Whole Body, Liver
GGT	8.9	↑ U/L	0-7				Liver
AST	31	U/L	8.9-55				Liver
ALT	58	U/L	10-140				Liver
AST/ALT	0.53						Calculated value
ALP	30	U/L	20-150				Liver
TBA	1.95	umol/L	0-20				Liver, Gallbladder
AMYL	1412	U/L	200-1800				Pancreas
CK	155	U/L	20-200				Myocardium, Skeletal muscle
CREA	253	↑ umol/L	27-149				Kidney
BUN	12.6	↑ mmol/L	2.5-11.5				Kidney
BUN/CREA	12						Calculated value
GLU	6.50	mmol/L	3.89-7.95				Whole Body
CHOL	7.80	mmol/L	2.84-8.26				Whole Body
TRIG	0.53	mmol/L	0.1-0.9				
tCO2	24	mmol/L	12-27				Whole Body
Ca	2.97	↑ mmol/L	1.98-2.95				Whole Body
PHOS	1.84	mmol/L	0.81-2.2				Kidney
Ca×P	68	mg/dL					
Mg	0.79	mmol/L	0.6-1.09				

Clinical Significance

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.
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.
Ca	Elevated levels: ① Chronic renal failure; ② Hyperlipidemia; ③ Excess vitamin D; ④ Adrenocortical insufficiency; ⑤ Primary hyperparathyroidism; ⑥ Malignant tumors: lymphoma, multiple myeloma, adrenal tumors.

Veterinary Technician: not specified

Attending Veterinarian: Dr. Marian Grace Wanagen

Date Reported: 16/08/2026

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



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