

Pet Doctors Veterinary Supplies and Services

Chemistry Test Report

Pet Name: Cali
Gender: Male
Sample ID: 2608200002

Owner Name: Jaskaran Singh
Age: 2 Years
Sample Type: Whole Blood

Species: Canine
Patient or Visit No.:
Time Tested: 20/08/2026 20:14:43

Test Panel: Comprehensive 24 Profile

Test	Result	Unit	Reference Range	Low	Normal	High	
TP	67.7	g/L	52-82				Whole Body
ALB	34.8	g/L	22-44				Liver, Kidney
GLOB	32.9	g/L	20-52				Whole Body
ALB/GLOB	1.1						Calculated value
TBIL	7.03	umol/L	2-15				Whole Body, Liver
GGT	5.5	U/L	0-7				Liver
AST	83	↑ U/L	8.9-55				Liver
ALT	34	U/L	10-140				Liver
AST/ALT	2.44						Calculated value
ALP	80	U/L	20-150				Liver
TBA	6.67	umol/L	0-20				Liver, Gallbladder
AMYL	424	U/L	200-1800				Pancreas
CK	277	↑ U/L	20-200				Myocardium, Skeletal muscle
CREA	45	umol/L	27-149				Kidney
BUN	10.2	mmol/L	2.5-11.5				Kidney
BUN/CREA	56						Calculated value
GLU	10.61	↑ mmol/L	3.89-7.95				Whole Body
CHOL	6.87	mmol/L	2.84-8.26				Whole Body
TRIG	0.96	↑ mmol/L	0.1-0.9				
tCO2	17	mmol/L	12-27				Whole Body
Ca	0.74	↓ mmol/L	1.98-2.95				Whole Body
PHOS	0.97	mmol/L	0.81-2.2				Kidney
Ca×P	9	mg/dL					
Mg	0.76	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.
GLU	Elevated levels: ① Drugs: corticosteroids, progesterone; ② Physiological: postprandial, stress, excitement; ③ Diseases: diabetes mellitus, hyperadrenocorticism, acromegaly, hyperthyroidism, pancreatitis, pheochromocytoma.
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.
Ca	Decreased levels: ① Pancreatitis; ② Postpartum hypocalcemia; ③ Malabsorption in the small intestine; ④ Acute/chronic renal failure; ⑤ Hypothyroidism, thyroid cancer (increased calcitonin).

Veterinary Technician: not specified

Attending Veterinarian: Dr. Ricardo Valdez

Date Reported: 21/08/2026

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



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