

Pet Doctors Veterinary Supplies and Services

Chemistry Test Report

Pet Name: Panchie
 Gender: Male
 Sample ID: 2604190001
 Test Panel: Comprehensive 24 Profile

Owner Name:
 Age: 4 Years
 Sample Type: Plasma
 Tip:

Species: Canine
 Patient or Visit No.:
 Time Tested: 19/04/2026 01:17:14

Test	Result	Unit	Reference Range	Low	Normal	High	
TP	67.8	g/L	52-82				Whole Body
ALB	29.6	g/L	22-44				Liver, Kidney
GLOB	38.2	g/L	20-52				Whole Body
ALB/GLOB	0.8						Calculated value
TBIL	5.16	umol/L	2-15				Whole Body, Liver
GGT	7.0	U/L	0-7				Liver
AST	105 ↑	U/L	8.9-55				Liver
ALT	71	U/L	10-140				Liver
AST/ALT	1.48						Calculated value
ALP	86	U/L	20-150				Liver
TBA	8.48	umol/L	0-20				Liver, Gallbladder
AMYL	710	U/L	200-1800				Pancreas
CK	226 ↑	U/L	20-200				Myocardium, Skeletal muscle
CREA	87	umol/L	27-149				Kidney
BUN	3.11	mmol/L	2.5-11.5				Kidney
BUN/CREA	9						Calculated value
GLU	12.58 ↑	mmol/L	3.89-7.95				Whole Body
CHOL	4.06	mmol/L	2.84-8.26				Whole Body
TRIG	1.06 ↑	mmol/L	0.1-0.9				
tCO2	14	mmol/L	12-27				Whole Body
Ca	2.36	mmol/L	1.98-2.95				Whole Body
PHOS	1.13	mmol/L	0.81-2.2				Kidney
Ca×P	33	mg/dL					
Mg	0.80	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.
- 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.

Veterinary Technician: Dr. Mikaela Rabino

Attending Veterinarian: Dr. Ricardo Valdez

Date Reported: 23/04/2026

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



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