

Biochemistry test report



Patient:	Shen	Species:	Canine	Patient ID:	2503291
Client:	Melani Apolinar	Gender:	Male	Sample No.:	0000008
Doctor:		Age stage:	Adult	Time of analysis:	2025/03/29 17:42

Item	Current result	Ref. Ranges
Protein TP ↑ 9.33 g/dL	5.31-7.92	
Protein ALB 2.72 g/dL	2.34-4.00	
Protein GLOB ↑ 6.62 g/dL	2.54-4.40	
Protein A/G 0.4		
Liver and gallbladder ALT 37.8 U/L	10.1-100.3	
Liver and gallbladder AST ↑ 145.0 U/L	21.0-51.7	
Liver and gallbladder AST/ALT 3.84		
Liver and gallbladder ALP 29.4 U/L	15.5-125.0	
Liver and gallbladder GGT 3.1 U/L	0.0-15.9	
Liver and gallbladder TBIL <0.10 mg/dL	0.00-0.88	
Pancreas AMY 625.9 U/L	397.7-1285.1	
Kidneys BUN 11.59 mg/dL	7.02-27.45	
Kidneys CREA 0.70 mg/dL	0.38-1.40	
Kidneys BUN/CREA 16.5		
Cardiovasc./Muscle CK ↑ 1832.2 U/L	66.4-257.5	
Cardiovasc./Muscle LDH ↑ 315.6 U/L	36.4-143.6	
Energy metabolism GLU ↑ 114.2 mg/dL	68.5-113.3	
Energy metabolism TC 152.8 mg/dL	103.2-324.1	
Minerals Ca ↓ <4.00 mg/dL	9.20-11.88	
Minerals PHOS ↓ 2.64 mg/dL	3.10-6.81	
Minerals CaxP **** mmol/L^2		
Electrolytes tCO2 ↓ 11.97 mmol/L	13.14-25.13	
Electrolytes Na+ 147.3 mmol/L	141.6-160.0	
Electrolytes K+ ↑ >8.5 mmol/L	3.5-5.9	
Electrolytes Na/K ****		
Electrolytes Cl- 109.7 mmol/L	102.7-125.0	

Operator:

Comprehensive Diagnosis Panel		QC QC OK	
HEM(Hemolysis degree):	0	LIP(Lipemia degree):	0
		ICT(Jaundice degree):	0

The results only applies to this test sample.

Test Instrument: Mindray vetXpert C5

Time of Printing: 2025-03-29 17:52:02



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Report Explan.

TP	↑	Increase is commonly associated with dehydration and increased globulin. Reduction is commonly associated with blood loss, protein-losing enteropathy, and decreased albumin.
GLOB	↑	Increase is commonly associated with chronic inflammation and infection, and hyperimmunity, etc. Reduction is commonly associated with insufficient protein intake, anemia, and immunodeficiency.
AST	↑	Increase is commonly associated with liver injury and muscle injury, etc.
CK	↑	Increase is commonly associated with trauma, increased muscle activity (such as tetanus and convulsion), myocarditis, and myocardial infarction, etc.
LDH	↑	Increase is commonly associated with hemolysis (especially in canine), post-exercise, liver injury, exertional rhabdomyolysis, white muscle disease, myocardial injury, tumors, etc.
GLU	↑	Increase is commonly associated with diabetes and hypercorticalism, etc. Reduction is commonly associated with insulin administration, malnutrition, and insulinoma, etc.
Ca	↓	Increase is commonly associated with hypoadrenocorticism, lymphoma, and nephropathy, etc. Reduction is commonly associated with low calcium diet, hypoalbuminemia, nephropathy, and vitamin D deficiency, etc.
PHOS	↓	Increase is commonly associated with nephropathy, bone healing period, and hyperthyroidism. Decreased in hyperparathyroidism, tumor, etc.
tCO2	↓	Increase is commonly associated with metabolic alkalosis and respiratory acidosis; Reduction is commonly associated with metabolic acidosis, respiratory alkalosis
K+	↑	Increase is commonly associated with high potassium fluid replacement, diabetes, adrenocortical hypofunction, and acute kidney injury, etc. Reduction is commonly associated with low potassium or potassium-free fluid replacement, vomiting, diarrhea, and hypercorticalism, etc.

Note: Due to the complexity and individuality of disease diagnosis, the report interpretation is only for your reference. Please consult your doctors for clinical diagnosis results. The results only applies to this test sample.

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