

Biochemistry test report



Patient: Sabachka Species: Canine Patient ID: 2503303
 Client: Rochelle Castro Gender: Female Sample No.: 0000005
 Doctor: Age stage: Adult Time of analysis: 2025/03/30 14:40

Item	Current result	Ref. Ranges
Protein TP ↑ 9.83 g/dL	5.31-7.92	
Protein ALB ↓ 2.23 g/dL	2.34-4.00	
Protein GLOB ↑ 7.61 g/dL	2.54-4.40	
Protein A/G 0.3		
Liver and gallbladder ALT ↓ 7.4 U/L	10.1-100.3	
Liver and gallbladder AST 45.3 U/L	21.0-51.7	
Liver and gallbladder AST/ALT 6.16		
Liver and gallbladder ALP ↑ 170.8 U/L	15.5-125.0	
Liver and gallbladder GGT 6.2 U/L	0.0-15.9	
Liver and gallbladder TBIL <0.10 mg/dL	0.00-0.88	
Pancreas AMY 759.1 U/L	397.7-1285.1	
Kidneys BUN 24.31 mg/dL	7.02-27.45	
Kidneys CREA 0.64 mg/dL	0.38-1.40	
Kidneys BUN/CREA 37.6		
Cardiovasc./Muscle CK 237.8 U/L	66.4-257.5	
Cardiovasc./Muscle LDH ↑ 436.0 U/L	36.4-143.6	
Energy metabolism GLU 69.4 mg/dL	68.5-113.3	
Energy metabolism TC 301.8 mg/dL	103.2-324.1	
Minerals Ca ↓ <4.00 mg/dL	9.20-11.88	
Minerals PHOS 6.35 mg/dL	3.10-6.81	
Minerals CaxP **** mmol/L^2		
Electrolytes tCO2 14.76 mmol/L	13.14-25.13	
Electrolytes Na+ ↓ 136.5 mmol/L	141.6-160.0	
Electrolytes K+ ↑ >8.5 mmol/L	3.5-5.9	
Electrolytes Na/K ****		
Electrolytes Cl- ↓ 92.0 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: 2025-03-30 18:36:15



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Client:	Rochelle Castro	Gender:	Female	Sample No.:	0000005
Doctor:		Age stage:	Adult	Time of analysis:	2025/03/30 14:40



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.
ALB	↓	Increase is commonly associated with dehydration and corticosteroid administration, etc. Reduction is commonly associated with excessive infusion, malnutrition, hepatic insufficiency or failure, nephropathy, and protein-losing enteropathy.
GLOB	↑	Increase is commonly associated with chronic inflammation and infection, and hyperimmunity, etc. Reduction is commonly associated with insufficient protein intake, anemia, and immunodeficiency.
ALT	↓	Increase is commonly associated with liver injury and muscle injury, etc.
ALP	↑	Increase is commonly associated with fracture healing period, hepatobiliary diseases, hyperthyroidism, and osteosarcoma, etc.
LDH	↑	Increase is commonly associated with hemolysis (especially in canine), post-exercise, liver injury, exertional rhabdomyolysis, white muscle disease, myocardial injury, tumors, 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.
Na+	↓	Increase is commonly associated with salt intoxication, hypertonic NaCl solution rehydration, hyperaldosteronism, and severe dehydration, etc. Reduction is commonly associated with hypoadrenocorticism, diuretic therapy, etc.
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 hypercorticism, etc.
Cl-	↓	Increase is commonly associated with salt intoxication, hypertonic NaCl solution rehydration, small intestinal diarrhea, etc. Reduction is commonly associated with vomiting, diuretic therapy, 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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