

# 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
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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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## 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.  
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