

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 14:42:08



PET DOCTORS VETERINARY CLINIC
AND GROOMING CENTER
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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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