

Biochemistry test report



Patient:	Star	Species:	Canine	Patient ID:	2512072
Client:	Cong. Rachel Arenas	Gender:	Female	Sample No.:	0000002
Doctor:		Age:	10M	Time of analysis:	2025/12/07 18:20

Item		Current result		Ref. Ranges	
Protein	TP	↓ H- 4.64	g/dL	5.31-7.92	
Protein	ALB	↓ 2.32	g/dL	2.34-4.00	
Protein	GLOB	↓ 2.32	g/dL	2.54-5.20	
Protein	A/G	1.0			
Liver and gallbladder	ALT	↓ 5.1	U/L	10.1-100.3	
Liver and gallbladder	AST	↑ H+ 138.9	U/L	0.0-51.7	
Liver and gallbladder	AST/ALT	27.38			
Liver and gallbladder	ALP	↑ 338.5	U/L	15.5-212.0	
Liver and gallbladder	GGT	10.9	U/L	0.0-15.9	
Liver and gallbladder	TBIL	H- <0.10	mg/dL	0.00-0.88	
Liver and gallbladder	TBA	14.3	μmol/L	0.0-30.0	
Pancreas	AMY	↑ 1499.3	U/L	397.7-1285.1	
Kidneys	BUN	↑ 71.00	mg/dL	7.02-27.45	
Kidneys	CREA	1.37	mg/dL	0.23-1.40	
Kidneys	BUN/CREA	51.4			
Cardiovasc./Muscle	CK	↑ H+ 536.5	U/L	66.4-257.5	
Cardiovasc./Muscle	LDH	↑ H+ 354.0	U/L	0.0-143.6	
Energy metabolism	GLU	112.8	mg/dL	68.5-135.2	
Energy metabolism	TC	↑ H+ 441.4	mg/dL	103.2-324.1	
Energy metabolism	TG	↑ 124.6	mg/dL	8.9-115.1	
Minerals	Ca	10.22	mg/dL	8.40-11.88	
Minerals	PHOS	↑ H+ 11.48	mg/dL	2.48-6.81	
Minerals	CaxP	9.48	mmol/L^2		
Minerals	Mg	↑ H+ 2.68	mg/dL	1.29-2.58	
Electrolytes	Na+	↓ 133.5	mmol/L	138.0-160.0	
Electrolytes	K+	H+ 4.9	mmol/L	3.5-5.9	
Electrolytes	Na/K	27.4			
Electrolytes	Cl-	109.3	mmol/L	102.7-125.0	

Operator:

Comprehensive Diagnosis Panel

QC QC OK

HEM(Hemolysis degree): 3+ LIP(Lipemia degree): 0 ICT(Jaundice degree): 0



Report Expln.

TP



Increase is commonly associated with dehydration and increased globulin. Reduction is commonly associated with blood loss, protein-losing enteropathy, and decreased albumin.

The results only applies to this test sample.

Test Instrument: Mindray vetXpert C5

Time of Printing: 2025-12-08 09:27:12



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Report Explan.

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.
AST	↑	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.
AMY	↑	Increase is commonly associated with gastroenteritis, pancreatitis, pancreatic tumor, etc.
BUN	↑	Increase is commonly associated with high protein diet, gastrointestinal bleeding, nephropathy, and urinary obstruction, etc. Reduction is commonly associated with insufficient protein intake and liver failure, 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.
TC	↑	Increase is commonly associated with biliary obstruction, hypothyroidism, hypercorticalismus, nephropathy, diabetes, etc. Reduction is commonly associated with protein loss enteropathy, pancreatic exocrine insufficiency, and hypoadrenocorticism, etc.
TG	↑	Increase is commonly associated with postprandial, obesity, diabetes and hypercorticalismus, etc.
PHOS	↑	Increase is commonly associated with nephropathy, bone healing period, and hyperthyroidism. Decreased in hyperparathyroidism, tumor, etc.
Mg	↑	Increase is commonly associated with nephropathy, hypoadrenocorticism, hypocalcemia, and muscle injury, etc. Reduction is commonly associated with gastrointestinal malabsorption, nephropathy, and hyperthyroidism, 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.

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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