

# Biochemistry test report



Patient:	ASHLEY	Species:	Canine	Patient ID:	260126006
Client:	LICMOAN	Gender:	Female	Sample No.:	06
Doctor:		Age:	5Y	Time of analysis:	2026/01/26 12:20

Item		Current result		Ref. Ranges	
Protein	TP	↓ I- 51.7	g/L	53.1-79.2	
Protein	ALB	27.2	g/L	23.4-40.0	
Protein	GLOB	↓ 24.6	g/L	25.4-52.0	
Protein	A/G	1.1			
Liver and gallbladder	ALT	55.3	U/L	10.1-100.3	
Liver and gallbladder	AST	↑ H+ 168.7	U/L	0.0-51.7	
Liver and gallbladder	AST/ALT	3.05			
Liver and gallbladder	ALP	↑ I- >2400.0	U/L	15.5-212.0	
Liver and gallbladder	GGT	↑ 119.6	U/L	0.0-15.9	
Liver and gallbladder	TBIL	↑ H- 323.94	μmol/L	0.00-15.00	
Liver and gallbladder	TBA	↑ >110.0	μmol/L	0.0-30.0	
Pancreas	AMY	↑ >4000.0	U/L	397.7-1285.1	
Kidneys	BUN	↑ 52.77	mmol/L	2.50-9.77	
Kidneys	CREA	↑ 623.10	μmol/L	20.00-123.70	
Kidneys	BUN/CREA	21.0			
Cardiovasc./Muscle	CK	↑ 1223.0	U/L	66.4-257.5	
Cardiovasc./Muscle	LDH	↑ H+ 172.4	U/L	0.0-143.6	
Energy metabolism	GLU	↑ 8.08	mmol/L	3.80-7.50	
Energy metabolism	TC	I- 6.57	mmol/L	2.67-8.38	
Energy metabolism	TG	↑ 1.44	mmol/L	0.10-1.30	
Minerals	Ca	2.33	mmol/L	2.10-2.97	
Minerals	PHOS	↑ 4.63	mmol/L	0.80-2.20	
Minerals	CaxP	10.80	mmol/L^2		
Minerals	Mg	↑ 1.19	mmol/L	0.53-1.06	
Electrolytes	Na+	↓ 118.7	mmol/L	138.0-160.0	
Electrolytes	K+	3.7	mmol/L	3.5-5.9	
Electrolytes	Na/K	32.2			
Electrolytes	Cl-	↓ 76.6	mmol/L	102.7-125.0	

Operator:

Comprehensive Diagnosis Panel				QC QC OK	
HEM(Hemolysis degree):	1+	LIP(Lipemia degree):	0	ICT(Jaundice degree):	3+



## 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.

The results only applies to this test sample.

Test Instrument:Mindray vetXpert C5

Time of Printing:2026-01-26 12:21:11



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Report Explan.		
<b>GLOB</b>	↓	Increase is commonly associated with chronic inflammation and infection, and hyperimmunity, etc. Reduction is commonly associated with insufficient protein intake, anemia, and immunodeficiency.
<b>AST</b>	↑	Increase is commonly associated with liver injury and muscle injury, etc.
<b>ALP</b>	↑	Increase is commonly associated with fracture healing period, hepatobiliary diseases, hyperthyroidism, and osteosarcoma, etc.
<b>GGT</b>	↑	Elevated is commonly associated with bile duct injury or cholestasis, etc.
<b>TBIL</b>	↑	Increase is commonly associated with hemolysis and hepatobiliary dysfunction. Reduction is commonly associated with decreased erythropoiesis, etc.
<b>TBA</b>	↑	Increase is commonly associated with hepatic insufficiency or failure, portal vein shunt, and cholestasis, etc. Reduction is commonly associated with long-term fasting and intestinal malabsorption, etc.
<b>AMY</b>	↑	Increase is commonly associated with gastroenteritis, pancreatitis, pancreatic tumor, etc.
<b>BUN</b>	↑	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.
<b>CREA</b>	↑	Increase is commonly associated with nephropathy, etc. Reduction is commonly associated with malnutrition and muscular atrophy, etc.
<b>CK</b>	↑	Increase is commonly associated with trauma, increased muscle activity (such as tetanus and convulsion), myocarditis, and myocardial infarction, etc.
<b>LDH</b>	↑	Increase is commonly associated with hemolysis (especially in canine), post-exercise, liver injury, exertional rhabdomyolysis, white muscle disease, myocardial injury, tumors, etc.
<b>GLU</b>	↑	Increase is commonly associated with diabetes and hypercorticism, etc. Reduction is commonly associated with insulin administration, malnutrition, and insulinoma, etc.
<b>TG</b>	↑	Increase is commonly associated with postprandial, obesity, diabetes and hypercorticism, etc.
<b>PHOS</b>	↑	Increase is commonly associated with nephropathy, bone healing period, and hyperthyroidism. Decreased in hyperparathyroidism, tumor, etc.
<b>Mg</b>	↑	Increase is commonly associated with nephropathy, hypoadrenocorticism, hypocalcemia, and muscle injury, etc. Reduction is commonly associated with gastrointestinal malabsorption, nephropathy, and hyperthyroidism, etc.
<b>Na+</b>	↓	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.
<b>Cl-</b>	↓	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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