

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

0

ICT(Jaundice degree): 3+



Report Explain.

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 Explain.

GLOB	↓	Increase is commonly associated with chronic inflammation and infection, and hyperimmunity, etc. Reduction is commonly associated with insufficient protein intake, anemia, and immunodeficiency.
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.
GGT	↑	Elevated is commonly associated with bile duct injury or cholestasis, etc.
TBIL	↑	Increase is commonly associated with hemolysis and hepatobiliary dysfunction. Reduction is commonly associated with decreased erythropoiesis, etc.
TBA	↑	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.
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.
CREA	↑	Increase is commonly associated with nephropathy, etc. Reduction is commonly associated with malnutrition and muscular atrophy, 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.
GLU	↑	Increase is commonly associated with diabetes and hypercorticalismus, etc. Reduction is commonly associated with insulin administration, malnutrition, and insulinoma, 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.
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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