

Biochemistry test report



Patient:	BASHA	Species:	Canine	Patient ID:	118746
Client:	JIM ABA	Gender:	Female	Sample No.:	06
Doctor:		Age:	10Y	Time of analysis:	2025/06/14 17:02

Item		Current result		Ref. Ranges	
Protein	TP	↓	2.97	g/dL 5.31-7.92	
Protein	ALB	↓	1.33	g/dL 2.34-4.00	
Protein	GLOB	↓	1.64	g/dL 2.54-5.20	
Protein	A/G		0.8		
Liver and gallbladder	ALT	↑	823.3	U/L 10.1-100.3	
Liver and gallbladder	AST	↑	511.8	U/L 0.0-51.7	
Liver and gallbladder	AST/ALT		0.62		
Liver and gallbladder	ALP	↑	260.3	U/L 15.5-212.0	
Liver and gallbladder	GGT	↑	42.7	U/L 0.0-15.9	
Liver and gallbladder	TBIL		0.28	mg/dL 0.00-0.88	
Liver and gallbladder	TBA		<1.0	μmol/L 0.0-30.0	
Pancreas	AMY		641.9	U/L 397.7-1285.1	
Kidneys	BUN	↑	28.63	mg/dL 7.03-27.45	
Kidneys	CREA		0.67	mg/dL 0.23-1.40	
Kidneys	BUN/CREA		42.8		
Cardiovasc./Muscle	CK	↑	374.2	U/L 66.4-257.5	
Cardiovasc./Muscle	LDH	↑	680.9	U/L 0.0-143.6	
Energy metabolism	GLU		85.2	mg/dL 68.5-135.2	
Energy metabolism	TC	↓	58.0	mg/dL 103.2-324.1	
Energy metabolism	TG		79.7	mg/dL 8.9-115.1	
Minerals	Ca	↓	6.40	mg/dL 8.40-11.88	
Minerals	PHOS		4.09	mg/dL 2.48-6.81	
Minerals	CaxP		2.12	mmol/L^2	
Minerals	Mg		1.82	mg/dL 1.48-2.58	
Electrolytes	Na+		147.3	mmol/L 138.0-160.0	
Electrolytes	K+		4.6	mmol/L 3.5-5.9	
Electrolytes	Na/K		32.3		
Electrolytes	Cl-		108.9	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

The results only applies to this test sample.

Test Instrument:Mindray vetXpert C5 Time of Printing:2025-06-14 17:04:43



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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.
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.
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, hypercorticism, nephropathy, diabetes, etc. Reduction is commonly associated with protein loss enteropathy, pancreatic exocrine insufficiency, and hypoadrenocorticism, 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.

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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