

# Biochemistry test report



Patient:	Butter	Species:	Canine	Patient ID:	260105001
Client:	Adoree Jabaness	Gender:	Female	Sample No.:	0000001
Doctor:		Age:	2Y	Time of analysis:	2026/01/05 11:31

Item		Current result		Ref. Ranges	
Protein	TP	6.58	g/dL	5.31-7.92	
Protein	ALB	↓ 2.22	g/dL	2.34-4.00	
Protein	GLOB	4.36	g/dL	2.54-5.20	
Protein	A/G	0.5			
Liver and gallbladder	ALT	↓ 7.4	U/L	10.1-100.3	
Liver and gallbladder	AST	31.7	U/L	0.0-51.7	
Liver and gallbladder	AST/ALT	4.28			
Liver and gallbladder	ALP	28.7	U/L	15.5-212.0	
Liver and gallbladder	GGT	<2.0	U/L	0.0-15.9	
Liver and gallbladder	TBIL	<0.10	mg/dL	0.00-0.88	
Liver and gallbladder	TBA	1.1	μmol/L	0.0-30.0	
Pancreas	AMY	↑ 1501.2	U/L	397.7-1285.1	
Kidneys	BUN	↑ 62.10	mg/dL	7.02-27.45	
Kidneys	CREA	↑ 2.64	mg/dL	0.23-1.40	
Kidneys	BUN/CREA	23.4			
Cardiovasc./Muscle	CK	↑ 451.2	U/L	66.4-257.5	
Cardiovasc./Muscle	LDH	↑ 201.5	U/L	0.0-143.6	
Energy metabolism	GLU	↑ 147.7	mg/dL	68.5-135.2	
Energy metabolism	TC	↑ 400.3	mg/dL	103.2-324.1	
Energy metabolism	TG	↑ 137.3	mg/dL	8.9-115.1	
Minerals	Ca	10.20	mg/dL	8.40-11.88	
Minerals	PHOS	↑ 7.75	mg/dL	2.48-6.81	
Minerals	CaxP	6.38	mmol/L^2		
Minerals	Mg	1.96	mg/dL	1.29-2.58	
Electrolytes	Na+	146.9	mmol/L	138.0-160.0	
Electrolytes	K+	5.5	mmol/L	3.5-5.9	
Electrolytes	Na/K	26.7			
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
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## Report Explen.

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.

The results only applies to this test sample.

Test Instrument:Mindray vetXpert C5

Time of Printing:2026-01-05 14:34:26



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	Report Explan.	
ALT	↓	Increase is commonly associated with liver injury and muscle injury, 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 hypercorticism, etc. Reduction is commonly associated with insulin administration, malnutrition, and insulinoma, 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.
TG	↑	Increase is commonly associated with postprandial, obesity, diabetes and hypercorticism, etc.
PHOS	↑	Increase is commonly associated with nephropathy, bone healing period, and hyperthyroidism. Decreased in hyperparathyroidism, tumor, 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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