Biochemistry test report

Patient:	Amber	Species:	Canine	Patient ID:	2506042
Client:	Marjorie De Leon	Gender:	Female	Sample No.:	0000002
Doctor:		Age:	4Y	Time of analysis:	2025/06/04 12:58

	Item		Current result		Ref. Ranges	
Protein	**TP**		**7.16**	g/dL	5.31-7.92	
Protein	**ALB**		**2.48**	g/dL	2.34-4.00	
Protein	**GLOB**		**4.69**	g/dL	2.54-5.20	
Protein	**A/G**		**0.5**			
Liver and gallbladder	**ALT**		**97.8**	U/L	10.1-100.3	
Liver and gallbladder	**AST**		**38.1**	U/L	0.0-51.7	
Liver and gallbladder	**AST/ALT**		**0.39**			
Liver and gallbladder	**ALP**		**94.3**	U/L	15.5-212.0	
Liver and gallbladder	**GGT**		**2.6**	U/L	0.0-15.9	
Liver and gallbladder	**TBIL**		**<0.10**	mg/dL	0.00-0.88	
Liver and gallbladder	**TBA**		**<1.0**	μmol/L	0.0-30.0	
Pancreas	**AMY**	↑	**>4000.0**	U/L	397.7-1285.1	
Kidneys	**BUN**	↑	**>182.65**	mg/dL	7.02-27.45	
Kidneys	**CREA**	↑	**9.27**	mg/dL	0.23-1.40	
Kidneys	**BUN/CREA**		****			
Cardiovasc./Muscle	**CK**	↑	**588.8**	U/L	66.4-257.5	
Cardiovasc./Muscle	**LDH**	↑	**189.7**	U/L	0.0-143.6	
Energy metabolism	**GLU**	↑	**199.7**	mg/dL	68.5-135.2	
Energy metabolism	**TC**	↑	**470.9**	mg/dL	103.2-324.1	
Energy metabolism	**TG**	↑	**125.3**	mg/dL	8.9-115.1	
Minerals	**Ca**	↓	**7.20**	mg/dL	8.40-11.88	
Minerals	**PHOS**	↑	**>20.13**	mg/dL	2.48-6.81	
Minerals	**CaxP**		****	mmol/L^2		
Minerals	**Mg**	↑	**4.59**	mg/dL	1.48-2.58	
Electrolytes	**Na+**		**150.3**	mmol/L	138.0-160.0	
Electrolytes	**K+**		**4.2**	mmol/L	3.5-5.9	
Electrolytes	**Na/K**		**35.6**			
Electrolytes	**Cl-**	↑	**>135.0**	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:2025-06-04 13:02:44

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Report Explan.

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.
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.
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.
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.
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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