Biochemistry test report

Patient:	Foamy	Species:	Canine	Patient ID:	2505312
Client:	Jobelle Lomibao	Gender:	Male	Sample No.:	0000002
Doctor:		Age:	4Y	Time of analysis:	2025/05/31 10:44

	Item		Current result		Ref. Ranges	
Protein	**TP**		**7.44**	g/dL	5.31-7.92	
Protein	**ALB**	↓	**2.07**	g/dL	2.34-4.00	
Protein	**GLOB**	↑	**5.36**	g/dL	2.54-5.20	
Protein	**A/G**		**0.4**			
Liver and gallbladder	**ALT**		**34.4**	U/L	10.1-100.3	
Liver and gallbladder	**AST**		**42.3**	U/L	0.0-51.7	
Liver and gallbladder	**AST/ALT**		**1.23**			
Liver and gallbladder	**ALP**		**189.7**	U/L	15.5-212.0	
Liver and gallbladder	**GGT**		**6.3**	U/L	0.0-15.9	
Liver and gallbladder	**TBIL**		**<0.10**	mg/dL	0.00-0.88	
Liver and gallbladder	**TBA**		**2.6**	μmol/L	0.0-30.0	
Pancreas	**AMY**		**956.3**	U/L	397.7-1285.1	
Kidneys	**BUN**	↑	**>182.65**	mg/dL	7.02-27.45	
Kidneys	**CREA**	↑	**12.76**	mg/dL	0.23-1.40	
Kidneys	**BUN/CREA**		****			
Cardiovasc./Muscle	**CK**		**255.0**	U/L	66.4-257.5	
Cardiovasc./Muscle	**LDH**	↑	**190.1**	U/L	0.0-143.6	
Energy metabolism	**GLU**		**121.8**	mg/dL	68.5-135.2	
Energy metabolism	**TC**		**218.5**	mg/dL	103.2-324.1	
Energy metabolism	**TG**	↑	**120.1**	mg/dL	8.9-115.1	
Minerals	**Ca**	↓	**5.54**	mg/dL	8.40-11.88	
Minerals	**PHOS**	↑	**>20.13**	mg/dL	2.48-6.81	
Minerals	**CaxP**		****	mmol/L^2		
Minerals	**Mg**	↑	**3.49**	mg/dL	1.48-2.58	
Electrolytes	**Na+**	↓	**126.7**	mmol/L	138.0-160.0	
Electrolytes	**K+**		**5.8**	mmol/L	3.5-5.9	
Electrolytes	**Na/K**		**21.8**			
Electrolytes	**Cl-**	↓	**86.6**	mmol/L	102.7-125.0	

Operator:

Comprehensive Diagnosis Panel **QC QC Fail**

HEM(Hemolysis degree):	0	LIP(Lipemia degree):	1+	ICT(Jaundice degree):	0

The results only applies to this test sample. Test Instrument:Mindray vetXpert C5 Time of Printing:2025-05-31 18:31:06

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Report Explan.

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.
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.
LDH	↑	Increase is commonly associated with hemolysis (especially in canine), post-exercise, liver injury, exertional rhabdomyolysis, white muscle disease, myocardial injury, tumors, 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.
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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