Biochemistry test report

Patient:	Jamillah	Species:	Canine	Patient ID:	2505102
Client:	Catherine Vuelta	Gender:	Female	Sample No.:	0000002
Doctor:		Age stage:	Adult	Time of analysis:	2025/05/10 11:36

	Item		Current result		Ref. Ranges	
Protein	**TP**	↑	**7.97**	g/dL	5.31-7.92	
Protein	**ALB**		**2.95**	g/dL	2.34-4.00	
Protein	**GLOB**	↑	**5.02**	g/dL	2.54-4.40	
Protein	**A/G**		**0.6**			
Liver and gallbladder	**ALT**		**17.4**	U/L	10.1-100.3	
Liver and gallbladder	**AST**	↓	**12.8**	U/L	21.0-51.7	
Liver and gallbladder	**AST/ALT**		**0.74**			
Liver and gallbladder	**ALP**	↑	**322.3**	U/L	15.5-125.0	
Liver and gallbladder	**GGT**		**9.6**	U/L	0.0-15.9	
Liver and gallbladder	**TBIL**		**0.14**	mg/dL	0.00-0.88	
Liver and gallbladder	**TBA**	↑	**12.1**	μmol/L	0.0-10.0	
Pancreas	**AMY**		**440.8**	U/L	397.7-1285.1	
Kidneys	**BUN**		**10.40**	mg/dL	7.02-27.45	
Kidneys	**CREA**		**0.45**	mg/dL	0.38-1.40	
Kidneys	**BUN/CREA**		**23.0**			
Cardiovasc./Muscle	**CK**		**128.9**	U/L	66.4-257.5	
Cardiovasc./Muscle	**LDH**	↑	**171.2**	U/L	36.4-143.6	
Energy metabolism	**GLU**		**98.5**	mg/dL	68.5-113.3	
Energy metabolism	**TC**		**206.3**	mg/dL	103.2-324.1	
Energy metabolism	**TG**		**89.1**	mg/dL	8.9-115.1	
Minerals	**Ca**		**11.57**	mg/dL	9.20-11.88	
Minerals	**PHOS**		**3.15**	mg/dL	3.10-6.81	
Minerals	**CaxP**		**2.95**	mmol/L^2		
Minerals	**Mg**	↓	**1.43**	mg/dL	1.73-2.58	
Electrolytes	**Na+**		**147.2**	mmol/L	141.6-160.0	
Electrolytes	**K+**		**4.6**	mmol/L	3.5-5.9	
Electrolytes	**Na/K**		**31.8**			
Electrolytes	**Cl-**		**108.2**	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:2025-05-10 11:38:00

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

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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