Biochemistry test report

Patient:	Skye	Species:	Canine	Patient ID:	2507271
Client:	Shai Branzuela	Gender:	Male	Sample No.:	0000001
Doctor:		Age:	9Y	Time of analysis:	2025/07/27 09:20

	Item		Current result		Ref. Ranges	
Protein	**TP**	↑	**8.91**	g/dL	5.31-7.92	
Protein	**ALB**	↓	**1.85**	g/dL	2.34-4.00	
Protein	**GLOB**	↑	**7.07**	g/dL	2.54-5.20	
Protein	**A/G**		**0.3**			
Liver and gallbladder	**ALT**		**22.6**	U/L	10.1-100.3	
Liver and gallbladder	**AST**		**17.1**	U/L	0.0-51.7	
Liver and gallbladder	**AST/ALT**		**0.76**			
Liver and gallbladder	**ALP**		**57.4**	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**		**<1.0**	μmol/L	0.0-30.0	
Pancreas	**AMY**		**885.4**	U/L	397.7-1285.1	
Kidneys	**BUN**	↓	**6.78**	mg/dL	7.02-27.45	
Kidneys	**CREA**		**0.64**	mg/dL	0.23-1.40	
Kidneys	**BUN/CREA**		**10.6**			
Cardiovasc./Muscle	**CK**	L−	**86.6**	U/L	66.4-257.5	
Cardiovasc./Muscle	**LDH**		**80.1**	U/L	0.0-143.6	
Energy metabolism	**GLU**	↓	**59.9**	mg/dL	68.5-135.2	
Energy metabolism	**TC**		**122.4**	mg/dL	103.2-324.1	
Energy metabolism	**TG**		**46.9**	mg/dL	8.9-115.1	
Minerals	**Ca**		**8.81**	mg/dL	8.40-11.88	
Minerals	**PHOS**		**3.00**	mg/dL	2.48-6.81	
Minerals	**CaxP**		**2.13**	mmol/L^2		
Minerals	**Mg**	↓	**1.11**	mg/dL	1.48-2.58	
Electrolytes	**Na+**	L−	**142.8**	mmol/L	138.0-160.0	
Electrolytes	**K+**		**5.0**	mmol/L	3.5-5.9	
Electrolytes	**Na/K**		**28.4**			
Electrolytes	**Cl-**		**111.2**	mmol/L	102.7-125.0	

Operator:

Comprehensive Diagnosis Panel **QC QC OK**

HEM(Hemolysis degree):	0	LIP(Lipemia degree):	2+	ICT(Jaundice degree):	0

The results only applies to this test sample. Test Instrument:Mindray vetXpert C5 Time of Printing:2025-07-27 09:52:12

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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.
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.
GLU	↓	Increase is commonly associated with diabetes and hypercorticalismus, etc. Reduction is commonly associated with insulin administration, malnutrition, and insulinoma, 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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