Biochemistry test report

Patient:	LOGAN	Species:	Canine	Patient ID:	2511281
Client:	CAMPECIÑO	Gender:	Male	Sample No.:	01
Doctor:		Age:	4Y	Time of analysis:	2025/11/28 09:55

	Item		Current result		Ref. Ranges	
Protein	**TP**	↓	**40.7**	g/L	53.1-79.2	
Protein	**ALB**	↓	**18.5**	g/L	23.4-40.0	
Protein	**GLOB**	↓	**22.3**	g/L	25.4-52.0	
Protein	**A/G**		**0.8**			
Liver and gallbladder	**ALT**		**32.9**	U/L	10.1-100.3	
Liver and gallbladder	**AST**		**22.6**	U/L	0.0-51.7	
Liver and gallbladder	**AST/ALT**		**0.69**			
Liver and gallbladder	**ALP**		**38.3**	U/L	15.5-212.0	
Liver and gallbladder	**GGT**		**4.8**	U/L	0.0-15.9	
Liver and gallbladder	**TBIL**		**3.46**	μmol/L	0.00-15.00	
Liver and gallbladder	**TBA**		**5.8**	μmol/L	0.0-30.0	
Pancreas	**AMY**		**690.1**	U/L	397.7-1285.1	
Kidneys	**BUN**		**7.23**	mmol/L	2.50-9.77	
Kidneys	**CREA**		**37.50**	μmol/L	20.00-123.70	
Kidneys	**BUN/CREA**		**47.7**			
Cardiovasc./Muscle	**CK**		**144.8**	U/L	66.4-257.5	
Cardiovasc./Muscle	**LDH**		**42.0**	U/L	0.0-143.6	
Energy metabolism	**GLU**	↑	**10.83**	mmol/L	3.80-7.50	
Energy metabolism	**TC**	↓	**2.60**	mmol/L	2.67-8.38	
Energy metabolism	**TG**		**0.66**	mmol/L	0.10-1.30	
Minerals	**Ca**	↓	**1.97**	mmol/L	2.10-2.97	
Minerals	**PHOS**		**1.48**	mmol/L	0.80-2.20	
Minerals	**CaxP**		**2.93**	mmol/L^2		
Minerals	**Mg**		**0.76**	mmol/L	0.53-1.06	
Electrolytes	**Na+**	↓	**136.6**	mmol/L	138.0-160.0	
Electrolytes	**K+**		**5.2**	mmol/L	3.5-5.9	
Electrolytes	**Na/K**		**26.2**			
Electrolytes	**Cl-**	↓	**95.6**	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

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.

The results only applies to this test sample. Test Instrument:Mindray vetXpert C5 Time of Printing:2025-11-28 09:56:16

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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.
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.
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.
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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