Biochemistry test report

Patient:	KIKAY	Species:	Canine	Patient ID:	118569
Client:	CHIU	Gender:	Female	Sample No.:	06
Doctor:		Age:		Time of analysis:	2025/05/31 16:04

	Item		Current result		Ref. Ranges	
Protein	**TP**	↑	**8.62**	g/dL	5.31-7.92	
Protein	**ALB**	↓	**1.39**	g/dL	2.34-4.00	
Protein	**GLOB**	↑	**7.23**	g/dL	2.54-5.20	
Protein	**A/G**		**0.2**			
Liver and gallbladder	**ALT**		**21.5**	U/L	10.1-100.3	
Liver and gallbladder	**AST**		**34.4**	U/L	0.0-51.7	
Liver and gallbladder	**AST/ALT**		**1.60**			
Liver and gallbladder	**ALP**		**115.3**	U/L	15.5-212.0	
Liver and gallbladder	**GGT**		**<2.0**	U/L	0.0-15.9	
Liver and gallbladder	**TBIL**		**0.14**	mg/dL	0.00-0.88	
Liver and gallbladder	**TBA**		**<1.0**	μmol/L	0.0-30.0	
Pancreas	**AMY**		**879.1**	U/L	397.7-1285.1	
Kidneys	**BUN**		**20.03**	mg/dL	7.02-27.45	
Kidneys	**CREA**		**0.38**	mg/dL	0.23-1.40	
Kidneys	**BUN/CREA**		**52.1**			
Cardiovasc./Muscle	**CK**		**176.5**	U/L	66.4-257.5	
Cardiovasc./Muscle	**LDH**		**109.3**	U/L	0.0-143.6	
Energy metabolism	**GLU**		**84.5**	mg/dL	68.5-135.2	
Energy metabolism	**TC**	↓	**87.9**	mg/dL	103.2-324.1	
Energy metabolism	**TG**		**41.1**	mg/dL	8.9-115.1	
Minerals	**Ca**	↓	**7.56**	mg/dL	8.40-11.88	
Minerals	**PHOS**	↓	**2.35**	mg/dL	2.48-6.81	
Minerals	**CaxP**		**1.44**	mmol/L^2		
Minerals	**Mg**		**1.51**	mg/dL	1.48-2.58	
Electrolytes	**Na+**		**138.7**	mmol/L	138.0-160.0	
Electrolytes	**K+**		**5.0**	mmol/L	3.5-5.9	
Electrolytes	**Na/K**		**27.6**			
Electrolytes	**Cl-**	↑	**130.8**	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:2025-05-31 16:06:28

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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.
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.
PHOS	↓	Increase is commonly associated with nephropathy, bone healing period, and hyperthyroidism. Decreased in hyperparathyroidism, tumor, 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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