Biochemistry test report

Patient:	Daffny	Species:	Canine	Patient ID:	
Client:	Dexter Dela Cruz	Gender:	Female	Sample No.:	0000006
Doctor:		Age stage:	Adult	Time of analysis:	2025/03/30 15:56

	Item		Current result		Ref. Ranges
Protein	**TP**		**6.38**	g/dL	5.31-7.92
Protein	**ALB**		**2.55**	g/dL	2.34-4.00
Protein	**GLOB**		**3.83**	g/dL	2.54-4.40
Protein	**A/G**		**0.7**		
Liver and gallbladder	**ALT**		**23.9**	U/L	10.1-100.3
Liver and gallbladder	**AST**	↑	**114.7**	U/L	21.0-51.7
Liver and gallbladder	**AST/ALT**		**4.79**		
Liver and gallbladder	**ALP**	↑	**145.8**	U/L	15.5-125.0
Liver and gallbladder	**GGT**		**5.7**	U/L	0.0-15.9
Liver and gallbladder	**TBIL**		**<0.10**	mg/dL	0.00-0.88
Pancreas	**AMY**		**481.7**	U/L	397.7-1285.1
Kidneys	**BUN**	↓	**3.02**	mg/dL	7.02-27.45
Kidneys	**CREA**	↓	**0.34**	mg/dL	0.38-1.40
Kidneys	**BUN/CREA**		**8.9**		
Cardiovasc./Muscle	**CK**	↑	**1242.9**	U/L	66.4-257.5
Cardiovasc./Muscle	**LDH**		**84.6**	U/L	36.4-143.6
Energy metabolism	**GLU**		**99.5**	mg/dL	68.5-113.3
Energy metabolism	**TC**		**182.4**	mg/dL	103.2-324.1
Minerals	**Ca**	↓	**<4.00**	mg/dL	9.20-11.88
Minerals	**PHOS**	↓	**2.68**	mg/dL	3.10-6.81
Minerals	**CaxP**		********	mmol/L^2	
Electrolytes	**tCO2**		**19.13**	mmol/L	13.14-25.13
Electrolytes	**Na+**		**149.9**	mmol/L	141.6-160.0
Electrolytes	**K+**	↑	**>8.5**	mmol/L	3.5-5.9
Electrolytes	**Na/K**		********		
Electrolytes	**Cl-**	↓	**100.5**	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:2025-03-30 17:05:13

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Report Explan.

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.
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.
CK	↑	Increase is commonly associated with trauma, increased muscle activity (such as tetanus and convulsion), myocarditis, and myocardial infarction, 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.
K+	↑	Increase is commonly associated with high potassium fluid replacement, diabetes, adrenocortical hypofunction, and acute kidney injury, etc. Reduction is commonly associated with low potassium or potassium-free fluid replacement, vomiting, diarrhea, and hypercorticalismus, 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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