Biochemistry test report

Patient:	ARIEL	Species:	Canine	Patient ID:	115585
Client:	NERI	Gender:	Female	Sample No.:	04
Doctor:		Age stage:	Adult	Time of analysis:	2025/03/06 15:29

	Item		Current result		Ref. Ranges	
Protein	**TP**		**7.73**	g/dL	5.31-7.92	
Protein	**ALB**		**2.87**	g/dL	2.34-4.00	
Protein	**GLOB**	↑	**4.86**	g/dL	2.54-4.40	
Protein	**A/G**		**0.6**			
Liver and gallbladder	**ALT**		**80.7**	U/L	10.1-100.3	
Liver and gallbladder	**AST**		**27.5**	U/L	21.0-51.7	
Liver and gallbladder	**AST/ALT**		**0.34**			
Liver and gallbladder	**ALP**		**29.1**	U/L	15.5-125.0	
Liver and gallbladder	**GGT**		**<2.0**	U/L	0.0-15.9	
Liver and gallbladder	**TBIL**		**<0.10**	mg/dL	0.00-0.88	
Pancreas	**AMY**	↑	**1457.5**	U/L	397.7-1285.1	
Kidneys	**BUN**	↑	**41.91**	mg/dL	7.02-27.45	
Kidneys	**CREA**		**1.34**	mg/dL	0.38-1.40	
Kidneys	**BUN/CREA**		**31.2**			
Cardiovasc./Muscle	**CK**		**75.6**	U/L	66.4-257.5	
Cardiovasc./Muscle	**LDH**	↓	**24.0**	U/L	36.4-143.6	
Energy metabolism	**GLU**		**102.9**	mg/dL	68.5-113.3	
Energy metabolism	**TC**		**158.5**	mg/dL	103.2-324.1	
Minerals	**Ca**		**10.53**	mg/dL	9.20-11.88	
Minerals	**PHOS**		**5.09**	mg/dL	3.10-6.81	
Minerals	**CaxP**		**4.33**	mmol/L^2		
Electrolytes	**tCO2**	↑	**25.74**	mmol/L	13.14-25.13	
Electrolytes	**Na+**		**142.3**	mmol/L	141.6-160.0	
Electrolytes	**K+**		**4.2**	mmol/L	3.5-5.9	
Electrolytes	**Na/K**		**33.7**			
Electrolytes	**Cl-**		**110.4**	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:2025-03-06 15:29:27

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Report Explan.

GLOB	↑	Increase is commonly associated with chronic inflammation and infection, and hyperimmunity, etc. Reduction is commonly associated with insufficient protein intake, anemia, and immunodeficiency.
AMY	↑	Increase is commonly associated with gastroenteritis, pancreatitis, pancreatic tumor, 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.
LDH	↓	Increase is commonly associated with hemolysis (especially in canine), post-exercise, liver injury, exertional rhabdomyolysis, white muscle disease, myocardial injury, tumors, etc.
tCO2	↑	Increase is commonly associated with metabolic alkalosis and respiratory acidosis; Reduction is commonly associated with metabolic acidosis, respiratory alkalosis

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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