

# Biochemistry test report



Patient:	Bruno	Species:	Canine	Patient ID:	251222002
Client:	Anna Liza De Vera	Gender:	Male	Sample No.:	0000002
Doctor:		Age:	4Y	Time of analysis:	2025/12/22 14:25

Item		Current result		Ref. Ranges	
Protein	TP	↓	4.49	g/dL	5.31-7.92
Protein	ALB	↓	1.40	g/dL	2.34-4.00
Protein	GLOB		3.09	g/dL	2.54-5.20
Protein	A/G		0.5		
Liver and gallbladder	ALT		32.8	U/L	10.1-100.3
Liver and gallbladder	AST		17.6	U/L	0.0-51.7
Liver and gallbladder	AST/ALT		0.54		
Liver and gallbladder	ALP	↑	297.5	U/L	15.5-212.0
Liver and gallbladder	GGT		4.6	U/L	0.0-15.9
Liver and gallbladder	TBIL		0.16	mg/dL	0.00-0.88
Liver and gallbladder	TBA		2.7	μmol/L	0.0-30.0
Pancreas	AMY		631.3	U/L	397.7-1285.1
Kidneys	BUN	↑	31.09	mg/dL	7.02-27.45
Kidneys	CREA		0.57	mg/dL	0.23-1.40
Kidneys	BUN/CREA		54.7		
Cardiovasc./Muscle	CK		80.3	U/L	66.4-257.5
Cardiovasc./Muscle	LDH		37.4	U/L	0.0-143.6
Energy metabolism	GLU		100.3	mg/dL	68.5-135.2
Energy metabolism	TC		205.8	mg/dL	103.2-324.1
Energy metabolism	TG		89.8	mg/dL	8.9-115.1
Minerals	Ca	↓	7.33	mg/dL	8.40-11.88
Minerals	PHOS		3.66	mg/dL	2.48-6.81
Minerals	CaxP		2.17	mmol/L^2	
Minerals	Mg		1.44	mg/dL	1.29-2.58
Electrolytes	Na+		141.1	mmol/L	138.0-160.0
Electrolytes	K+		3.6	mmol/L	3.5-5.9
Electrolytes	Na/K		39.5		
Electrolytes	Cl-	↑	129.9	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
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## Report Expln.

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: 2025-12-22 16:04:39



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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.

**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.

**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.

**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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