

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



Report Explain.

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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