

Biochemistry test report



Patient:	Luka	Species:	Canine	Patient ID:	2511051
Client:	Francisco Villaflor	Gender:	Male	Sample No.:	0000001
Doctor:		Age:	6Y	Time of analysis:	2025/11/05 10:36

Item		Current result		Ref. Ranges	
Protein	TP	↓	4.69	g/dL	5.31-7.92
Protein	ALB	↓	1.77	g/dL	2.34-4.00
Protein	GLOB		2.92	g/dL	2.54-5.20
Protein	A/G		0.6		
Liver and gallbladder	ALT	↑	101.3	U/L	10.1-100.3
Liver and gallbladder	AST	↑	133.2	U/L	0.0-51.7
Liver and gallbladder	AST/ALT		1.32		
Liver and gallbladder	ALP		61.3	U/L	15.5-212.0
Liver and gallbladder	GGT		3.9	U/L	0.0-15.9
Liver and gallbladder	TBIL		<0.10	mg/dL	0.00-0.88
Liver and gallbladder	TBA		2.6	μmol/L	0.0-30.0
Pancreas	AMY		1134.6	U/L	397.7-1285.1
Kidneys	BUN		7.07	mg/dL	7.02-27.45
Kidneys	CREA		0.78	mg/dL	0.23-1.40
Kidneys	BUN/CREA		9.0		
Cardiovasc./Muscle	CK	↑	767.5	U/L	66.4-257.5
Cardiovasc./Muscle	LDH	↑	250.0	U/L	0.0-143.6
Energy metabolism	GLU		88.2	mg/dL	68.5-135.2
Energy metabolism	TC		118.3	mg/dL	103.2-324.1
Energy metabolism	TG		64.2	mg/dL	8.9-115.1
Minerals	Ca	↓	8.12	mg/dL	8.40-11.88
Minerals	PHOS		3.70	mg/dL	2.48-6.81
Minerals	CaxP		2.43	mmol/L^2	
Minerals	Mg	↓	1.26	mg/dL	1.29-2.58
Electrolytes	Na+		143.7	mmol/L	138.0-160.0
Electrolytes	K+		5.1	mmol/L	3.5-5.9
Electrolytes	Na/K		28.4		
Electrolytes	Cl-		105.3	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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The results only applies to this test sample.

Test Instrument:Mindray vetXpert C5

Time of Printing:2025-11-05 10:39:32



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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.

ALT



Increase is commonly associated with liver injury and muscle injury, etc.

AST



Increase is commonly associated with liver injury and muscle injury, etc.

CK



Increase is commonly associated with trauma, increased muscle activity (such as tetanus and convulsion), myocarditis, and myocardial infarction, etc.

LDH



Increase is commonly associated with hemolysis (especially in canine), post-exercise, liver injury, exertional rhabdomyolysis, white muscle disease, myocardial injury, tumors, 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.

Mg



Increase is commonly associated with nephropathy, hypoadrenocorticism, hypocalcemia, and muscle injury, etc. Reduction is commonly associated with gastrointestinal malabsorption, nephropathy, and hyperthyroidism, 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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