



Biochemistry test report

Patient:	Pinat	Species:	Canine	Patient ID:	260226001
Client:	Victor Sapiera	Gender:	Male	Sample No.:	0000001
Doctor:		Age:	4Y	Time of analysis:	2026/02/26 13:34

Item	Current result	Ref. Ranges
Protein TP	6.28 g/dL	5.31-7.92
Protein ALB	2.08 g/dL	2.34-4.00
Protein GLOB	4.20 g/dL	2.54-5.20
Protein A/G	0.5	
Liver and gallbladder ALT	104.7 U/L	10.1-100.3
Liver and gallbladder AST	52.1 U/L	0.0-51.7
Liver and gallbladder AST/ALT	0.50	
Liver and gallbladder ALP	93.0 U/L	15.5-212.0
Liver and gallbladder GGT	5.2 U/L	0.0-15.9
Liver and gallbladder TBIL	<0.10 mg/dL	0.00-0.88
Liver and gallbladder TBA	1.5 μmol/L	0.0-30.0
Pancreas AMY	673.7 U/L	397.7-1285.1
Kidneys BUN	128.61 mg/dL	7.02-27.45
Kidneys CREA	21.46 mg/dL	0.23-1.40
Kidneys BUN/CREA	6.0	
Cardiovasc./Muscle CK	599.2 U/L	66.4-257.5
Cardiovasc./Muscle LDH	144.5 U/L	0.0-143.6
Energy metabolism GLU	99.9 mg/dL	68.5-135.2
Energy metabolism TC	138.8 mg/dL	103.2-324.1
Energy metabolism TG	41.9 mg/dL	8.9-115.1
Minerals Ca	7.28 mg/dL	8.40-11.88
Minerals PHOS	12.01 mg/dL	2.48-6.81
Minerals CaxP	7.06 mmol/L ²	
Minerals Mg	2.63 mg/dL	1.29-2.58
Electrolytes Na+	140.0 mmol/L	138.0-160.0
Electrolytes K+	6.8 mmol/L	3.5-5.9
Electrolytes Na/K	20.7	
Electrolytes Cl-	95.0 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 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.

The results only applies to this test sample.

Test Instrument: Mindray vetXpert C5

Time of Printing: 2026-02-26 18:46:18



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Report Explan.		
ALT	↑	Increase is commonly associated with liver injury and muscle injury, etc.
AST	↑	Increase is commonly associated with liver injury and muscle injury, 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.
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.
PHOS	↑	Increase is commonly associated with nephropathy, bone healing period, and hyperthyroidism. Decreased in hyperparathyroidism, tumor, 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.
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 hypercorticalism, 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. The results only applies to this test sample.

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