

Biochemistry test report



Patient: Cody Species: Canine Patient ID: 260208001
 Client: Matt De Vera Gender: Male Sample No.: 0000001
 Doctor: Age: 5Y Time of analysis: 2026/02/08 15:22

Item	Current result	Ref. Ranges
Protein TP	7.11 g/dL	5.31-7.92
Protein ALB	3.06 g/dL	2.34-4.00
Protein GLOB	4.05 g/dL	2.54-5.20
Protein A/G	0.8	
Liver and gallbladder ALT	↑ 203.4 U/L	10.1-100.3
Liver and gallbladder AST	22.4 U/L	0.0-51.7
Liver and gallbladder AST/ALT	0.11	
Liver and gallbladder ALP	↑ 333.9 U/L	15.5-212.0
Liver and gallbladder GGT	15.8 U/L	0.0-15.9
Liver and gallbladder TBIL	0.61 mg/dL	0.00-0.88
Liver and gallbladder TBA	14.8 μmol/L	0.0-30.0
Pancreas AMY	1148.2 U/L	397.7-1285.1
Kidneys BUN	↑ 49.71 mg/dL	7.02-27.45
Kidneys CREA	0.95 mg/dL	0.23-1.40
Kidneys BUN/CREA	52.3	
Cardiovasc./Muscle CK	79.4 U/L	66.4-257.5
Cardiovasc./Muscle LDH	74.8 U/L	0.0-143.6
Energy metabolism GLU	↑ 137.4 mg/dL	68.5-135.2
Energy metabolism TC	↓ 100.1 mg/dL	103.2-324.1
Energy metabolism TG	71.3 mg/dL	8.9-115.1
Minerals Ca	8.57 mg/dL	8.40-11.88
Minerals PHOS	3.37 mg/dL	2.48-6.81
Minerals CaxP	2.33 mmol/L ²	
Minerals Mg	2.38 mg/dL	1.29-2.58
Electrolytes Na+	↓ 119.6 mmol/L	138.0-160.0
Electrolytes K+	↓ 2.4 mmol/L	3.5-5.9
Electrolytes Na/K	49.2	
Electrolytes Cl-	↓ <70.0 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 Explain.

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

ALP ↑ Increase is commonly associated with fracture healing period, hepatobiliary diseases, hyperthyroidism, and osteosarcoma, etc.

The results only applies to this test sample.

Test Instrument: Mindray vetXpert C5

Time of Printing: 2026-02-08 15:25:45



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Report Explan.

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.

GLU



Increase is commonly associated with diabetes and hypercortisolism, etc. Reduction is commonly associated with insulin administration, malnutrition, and insulinoma, etc.

TC



Increase is commonly associated with biliary obstruction, hypothyroidism, hypercortisolism, nephropathy, diabetes, etc. Reduction is commonly associated with protein loss enteropathy, pancreatic exocrine insufficiency, and hypoadrenocorticism, etc.

Na+



Increase is commonly associated with salt intoxication, hypertonic NaCl solution rehydration, hyperaldosteronism, and severe dehydration, etc. Reduction is commonly associated with hypoadrenocorticism, diuretic therapy, 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 hypercortisolism, 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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