

# Biochemistry test report



Patient: Mimi Species: Canine Patient ID: 2504192  
 Client: Kristine Gomez Gender: Female Sample No.: 0000002  
 Doctor: Age stage: Adult Time of analysis: 2025/04/19 11:03

Item	Current result	Ref. Ranges
Protein <b>TP</b> ↑ <b>7.98</b> g/dL	5.31-7.92	
Protein <b>ALB</b> <b>2.53</b> g/dL	2.34-4.00	
Protein <b>GLOB</b> ↑ <b>5.45</b> g/dL	2.54-4.40	
Protein <b>A/G</b> <b>0.5</b>		
Liver and gallbladder <b>ALT</b> <b>26.7</b> U/L	10.1-100.3	
Liver and gallbladder <b>AST</b> <b>30.9</b> U/L	21.0-51.7	
Liver and gallbladder <b>AST/ALT</b> <b>1.16</b>		
Liver and gallbladder <b>ALP</b> <b>38.6</b> U/L	15.5-125.0	
Liver and gallbladder <b>GGT</b> <b>3.4</b> U/L	0.0-15.9	
Liver and gallbladder <b>TBIL</b> <b>&lt;0.10</b> mg/dL	0.00-0.88	
Liver and gallbladder <b>TBA</b> <b>&lt;1.0</b> μmol/L	0.0-10.0	
Pancreas <b>AMY</b> <b>452.2</b> U/L	397.7-1285.1	
Kidneys <b>BUN</b> ↑ <b>35.35</b> mg/dL	7.02-27.45	
Kidneys <b>CREA</b> <b>0.73</b> mg/dL	0.38-1.40	
Kidneys <b>BUN/CREA</b> <b>48.0</b>		
Cardiovasc./Muscle <b>CK</b> <b>245.6</b> U/L	66.4-257.5	
Cardiovasc./Muscle <b>LDH</b> <b>121.4</b> U/L	36.4-143.6	
Energy metabolism <b>GLU</b> <b>84.9</b> mg/dL	68.5-113.3	
Energy metabolism <b>TC</b> <b>128.3</b> mg/dL	103.2-324.1	
Energy metabolism <b>TG</b> <b>63.4</b> mg/dL	8.9-115.1	
Minerals <b>Ca</b> ↓ <b>&lt;4.00</b> mg/dL	9.20-11.88	
Minerals <b>PHOS</b> ↓ <b>1.92</b> mg/dL	3.10-6.81	
Minerals <b>CaxP</b> <b>****</b> mmol/L^2		
Minerals <b>Mg</b> ↓ <b>&lt;0.10</b> mg/dL	1.73-2.58	
Electrolytes <b>Na+</b> <b>149.7</b> mmol/L	141.6-160.0	
Electrolytes <b>K+</b> ↑ <b>8.5</b> mmol/L	3.5-5.9	
Electrolytes <b>Na/K</b> <b>****</b>		
Electrolytes <b>Cl-</b> <b>105.6</b> 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

The results only applies to this test sample.

Test Instrument: Mindray vetXpert C5

Time of Printing: 2025-04-19 11:07:13



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Patient:	Mimi	Species:	Canine	Patient ID:	2504192
Client:	Kristine Gomez	Gender:	Female	Sample No.:	0000002
Doctor:		Age stage:	Adult	Time of analysis:	2025/04/19 11:03



## 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.

**GLOB**



Increase is commonly associated with chronic inflammation and infection, and hyperimmunity, etc. Reduction is commonly associated with insufficient protein intake, anemia, and immunodeficiency.

**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.

**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.

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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