

# 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	TP	↑	7.98	g/dL	5.31-7.92
Protein	ALB		2.53	g/dL	2.34-4.00
Protein	GLOB	↑	5.45	g/dL	2.54-4.40
Protein	A/G		0.5		
Liver and gallbladder	ALT		26.7	U/L	10.1-100.3
Liver and gallbladder	AST		30.9	U/L	21.0-51.7
Liver and gallbladder	AST/ALT		1.16		
Liver and gallbladder	ALP		38.6	U/L	15.5-125.0
Liver and gallbladder	GGT		3.4	U/L	0.0-15.9
Liver and gallbladder	TBIL		<0.10	mg/dL	0.00-0.88
Liver and gallbladder	TBA		<1.0	μmol/L	0.0-10.0
Pancreas	AMY		452.2	U/L	397.7-1285.1
Kidneys	BUN	↑	35.35	mg/dL	7.02-27.45
Kidneys	CREA		0.73	mg/dL	0.38-1.40
Kidneys	BUN/CREA		48.0		
Cardiovasc./Muscle	CK		245.6	U/L	66.4-257.5
Cardiovasc./Muscle	LDH		121.4	U/L	36.4-143.6
Energy metabolism	GLU		84.9	mg/dL	68.5-113.3
Energy metabolism	TC		128.3	mg/dL	103.2-324.1
Energy metabolism	TG		63.4	mg/dL	8.9-115.1
Minerals	Ca	↓	<4.00	mg/dL	9.20-11.88
Minerals	PHOS	↓	1.92	mg/dL	3.10-6.81
Minerals	CaxP		****	mmol/L^2	
Minerals	Mg	↓	<0.10	mg/dL	1.73-2.58
Electrolytes	Na+		149.7	mmol/L	141.6-160.0
Electrolytes	K+	↑	8.5	mmol/L	3.5-5.9
Electrolytes	Na/K		****		
Electrolytes	Cl-		105.6	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:2025-04-19 11:07:13



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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.

**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 hypercorticism, 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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