

# Biochemistry test report



Patient:	Yuna	Species:	Canine	Patient ID:	
Client:	Jolina Mamaradlo	Gender:	Female	Sample No.:	0000004
Doctor:		Age:	Adult	Time of analysis:	2026/01/27 17:36

Item		Current result		Ref. Ranges	
Protein	TP	↑	8.47	g/dL	5.31-7.92
Protein	ALB		2.77	g/dL	2.34-4.00
Protein	GLOB	↑	5.71	g/dL	2.54-5.20
Protein	A/G		0.5		
Liver and gallbladder	ALT		32.6	U/L	10.1-100.3
Liver and gallbladder	AST		21.7	U/L	0.0-51.7
Liver and gallbladder	AST/ALT		0.66		
Liver and gallbladder	ALP	↑	405.4	U/L	15.5-212.0
Liver and gallbladder	GGT		9.2	U/L	0.0-15.9
Liver and gallbladder	TBIL		<0.10	mg/dL	0.00-0.88
Liver and gallbladder	TBA		1.6	μmol/L	0.0-30.0
Pancreas	AMY		628.2	U/L	397.7-1285.1
Kidneys	BUN		7.47	mg/dL	7.02-27.45
Kidneys	CREA		0.45	mg/dL	0.23-1.40
Kidneys	BUN/CREA		16.6		
Cardiovasc./Muscle	CK		140.5	U/L	66.4-257.5
Cardiovasc./Muscle	LDH		81.1	U/L	0.0-143.6
Energy metabolism	GLU		109.0	mg/dL	68.5-135.2
Energy metabolism	TC		158.6	mg/dL	103.2-324.1
Energy metabolism	TG		77.2	mg/dL	8.9-115.1
Minerals	Ca	↓	5.17	mg/dL	8.40-11.88
Minerals	PHOS	↓	1.38	mg/dL	2.48-6.81
Minerals	CaxP		0.57	mmol/L <sup>2</sup>	
Minerals	Mg	↓	1.02	mg/dL	1.29-2.58
Electrolytes	Na+		153.5	mmol/L	138.0-160.0
Electrolytes	K+		5.2	mmol/L	3.5-5.9
Electrolytes	Na/K		29.7		
Electrolytes	Cl-	↑	126.0	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 Explen.

TP



Increase is commonly associated with dehydration and increased globulin. Reduction is commonly associated with blood loss, protein-losing enteropathy, and decreased albumin.

The results only applies to this test sample.

Test Instrument:Mindray vetXpert C5

Time of Printing:2026-01-27 17:46:15



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## Report Explan.

**GLOB**



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

**ALP**



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

**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.  
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