

# Biochemistry test report



Patient:	TOTOT	Species:	Canine	Patient ID:	119024
Client:	WILLIAM JABASA	Gender:	Female	Sample No.:	05
Doctor:		Age:	8Y	Time of analysis:	2025/07/17 16:10

Item		Current result		Ref. Ranges	
Protein	TP	↓ H- 4.78	g/dL	5.31-7.92	
Protein	ALB	2.63	g/dL	2.34-4.00	
Protein	GLOB	↓ 2.15	g/dL	2.54-5.20	
Protein	A/G	1.2			
Liver and gallbladder	ALT	38.2	U/L	10.1-100.3	
Liver and gallbladder	AST	40.9	U/L	0.0-51.7	
Liver and gallbladder	AST/ALT	1.07			
Liver and gallbladder	ALP	20.2	U/L	15.5-212.0	
Liver and gallbladder	GGT	<2.0	U/L	0.0-15.9	
Liver and gallbladder	TBIL	H- <0.10	mg/dL	0.00-0.88	
Liver and gallbladder	TBA	<1.0	μmol/L	0.0-30.0	
Pancreas	AMY	1012.0	U/L	397.7-1285.1	
Kidneys	BUN	17.45	mg/dL	7.03-27.45	
Kidneys	CREA	0.47	mg/dL	0.23-1.40	
Kidneys	BUN/CREA	37.1			
Cardiovasc./Muscle	CK	↑ H+ 269.6	U/L	66.4-257.5	
Cardiovasc./Muscle	LDH	↑ H+ 402.7	U/L	0.0-143.6	
Energy metabolism	GLU	↑ 144.5	mg/dL	68.5-135.2	
Energy metabolism	TC	H+ 140.0	mg/dL	103.2-324.1	
Energy metabolism	TG	51.4	mg/dL	8.9-115.1	
Minerals	Ca	↓ 8.28	mg/dL	8.40-11.88	
Minerals	PHOS	4.12	mg/dL	2.48-6.81	
Minerals	CaxP	2.74	mmol/L^2		
Minerals	Mg	2.04	mg/dL	1.48-2.58	
Electrolytes	Na+	↓ 136.9	mmol/L	138.0-160.0	
Electrolytes	K+	5.0	mmol/L	3.5-5.9	
Electrolytes	Na/K	27.2			
Electrolytes	Cl-	↓ 101.7	mmol/L	102.7-125.0	

Operator:

## Comprehensive Diagnosis Panel

QC QC OK

HEM(Hemolysis degree): 2+      LIP(Lipemia degree): 0      ICT(Jaundice degree): 0

The results only applies to this test sample.

Test Instrument:Mindray vetXpert C5

Time of Printing:2025-07-17 16:33:23



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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.

**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.

**GLU**



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

**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.

**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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