

# Biochemistry test report



Patient:	Chansie	Species:	Canine	Patient ID:	2506154
Client:	Yang Herrera	Gender:	Female	Sample No.:	0000004
Doctor:		Age:	7Y	Time of analysis:	2025/06/15 15:13

Item		Current result		Ref. Ranges	
Protein	TP	7.27	g/dL	5.31-7.92	
Protein	ALB	↓ 1.96	g/dL	2.34-4.00	
Protein	GLOB	↑ 5.31	g/dL	2.54-5.20	
Protein	A/G	0.4			
Liver and gallbladder	ALT	13.4	U/L	10.1-100.3	
Liver and gallbladder	AST	48.2	U/L	0.0-51.7	
Liver and gallbladder	AST/ALT	3.60			
Liver and gallbladder	ALP	↑ 454.2	U/L	15.5-212.0	
Liver and gallbladder	GGT	15.4	U/L	0.0-15.9	
Liver and gallbladder	TBIL	0.38	mg/dL	0.00-0.88	
Liver and gallbladder	TBA	3.7	μmol/L	0.0-30.0	
Pancreas	AMY	563.4	U/L	397.7-1285.1	
Kidneys	BUN	↑ 33.02	mg/dL	7.02-27.45	
Kidneys	CREA	0.93	mg/dL	0.23-1.40	
Kidneys	BUN/CREA	35.4			
Cardiovasc./Muscle	CK	↑ 683.1	U/L	66.4-257.5	
Cardiovasc./Muscle	LDH	40.3	U/L	0.0-143.6	
Energy metabolism	GLU	↑ 151.1	mg/dL	68.5-135.2	
Energy metabolism	TC	311.0	mg/dL	103.2-324.1	
Energy metabolism	TG	↑ 288.0	mg/dL	8.9-115.1	
Minerals	Ca	↓ 8.20	mg/dL	8.40-11.88	
Minerals	PHOS	5.41	mg/dL	2.48-6.81	
Minerals	CaxP	3.58	mmol/L^2		
Minerals	Mg	↓ 1.37	mg/dL	1.48-2.58	
Electrolytes	Na+	↓ 134.2	mmol/L	138.0-160.0	
Electrolytes	K+	4.1	mmol/L	3.5-5.9	
Electrolytes	Na/K	33.1			
Electrolytes	Cl-	113.9	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:2025-06-15 15:20:05



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## Report Explan.

**ALB**



Increase is commonly associated with dehydration and corticosteroid administration, etc. Reduction is commonly associated with excessive infusion, malnutrition, hepatic insufficiency or failure, nephropathy, and protein-losing enteropathy.

**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.

**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.

**CK**



Increase is commonly associated with trauma, increased muscle activity (such as tetanus and convulsion), myocarditis, and myocardial infarction, etc.

**GLU**



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

**TG**



Increase is commonly associated with postprandial, obesity, diabetes and hypercorticism, 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.

**Mg**



Increase is commonly associated with nephropathy, hypoadrenocorticism, hypocalcemia, and muscle injury, etc. Reduction is commonly associated with gastrointestinal malabsorption, nephropathy, and hyperthyroidism, 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.

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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