

# Biochemistry test report



Patient:	TOBY	Species:	Canine	Patient ID:	101652
Client:	SUSAN OLANDRIA	Gender:	Male	Sample No.:	04
Doctor:		Age:	8Y	Time of analysis:	2025/07/09 11:48

Item		Current result		Ref. Ranges	
Protein	TP	6.00	g/dL	5.31-7.92	
Protein	ALB	↓ 1.97	g/dL	2.34-4.00	
Protein	GLOB	4.03	g/dL	2.54-5.20	
Protein	A/G	0.5			
Liver and gallbladder	ALT	↑ 122.8	U/L	10.1-100.3	
Liver and gallbladder	AST	↑ 110.0	U/L	0.0-51.7	
Liver and gallbladder	AST/ALT	0.90			
Liver and gallbladder	ALP	140.0	U/L	15.5-212.0	
Liver and gallbladder	GGT	5.2	U/L	0.0-15.9	
Liver and gallbladder	TBIL	0.27	mg/dL	0.00-0.88	
Liver and gallbladder	TBA	2.5	μmol/L	0.0-30.0	
Pancreas	AMY	1027.7	U/L	397.7-1285.1	
Kidneys	BUN	16.68	mg/dL	7.02-27.45	
Kidneys	CREA	0.60	mg/dL	0.23-1.40	
Kidneys	BUN/CREA	27.7			
Cardiovasc./Muscle	CK	↑ 435.2	U/L	66.4-257.5	
Cardiovasc./Muscle	LDH	↑ 218.8	U/L	0.0-143.6	
Energy metabolism	GLU	124.3	mg/dL	68.5-135.2	
Energy metabolism	TC	132.9	mg/dL	103.2-324.1	
Energy metabolism	TG	↑ 118.5	mg/dL	8.9-115.1	
Minerals	Ca	↓ 7.79	mg/dL	8.40-11.88	
Minerals	PHOS	2.90	mg/dL	2.48-6.81	
Minerals	CaxP	1.82	mmol/L^2		
Minerals	Mg	2.36	mg/dL	1.48-2.58	
Electrolytes	Na+	↓ 136.6	mmol/L	138.0-160.0	
Electrolytes	K+	4.9	mmol/L	3.5-5.9	
Electrolytes	Na/K	27.9			
Electrolytes	Cl-	114.9	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

The results only applies to this test sample.

Test Instrument:Mindray vetXpert C5

Time of Printing:2025-07-09 12:15:11



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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.

ALT



Increase is commonly associated with liver injury and muscle injury, etc.

AST



Increase is commonly associated with liver injury and muscle injury, etc.

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.

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.

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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