

# Biochemistry test report



Patient:	Champ	Species:	Canine	Patient ID:	251229002
Client:	Michael Cereno	Gender:	Male	Sample No.:	0000002
Doctor:		Age:	5Y	Time of analysis:	2025/12/29 15:40

Item		Current result		Ref. Ranges	
Protein	TP	↑	9.95	g/dL	5.31-7.92
Protein	ALB		2.44	g/dL	2.34-4.00
Protein	GLOB	↑	7.51	g/dL	2.54-5.20
Protein	A/G		0.3		
Liver and gallbladder	ALT	↑	249.0	U/L	10.1-100.3
Liver and gallbladder	AST	↑	54.0	U/L	0.0-51.7
Liver and gallbladder	AST/ALT		0.22		
Liver and gallbladder	ALP		73.8	U/L	15.5-212.0
Liver and gallbladder	GGT		10.7	U/L	0.0-15.9
Liver and gallbladder	TBIL		<0.10	mg/dL	0.00-0.88
Liver and gallbladder	TBA		3.6	μmol/L	0.0-30.0
Pancreas	AMY		482.1	U/L	397.7-1285.1
Kidneys	BUN	↑	40.51	mg/dL	7.02-27.45
Kidneys	CREA		0.94	mg/dL	0.23-1.40
Kidneys	BUN/CREA		43.1		
Cardiovasc./Muscle	CK		187.5	U/L	66.4-257.5
Cardiovasc./Muscle	LDH	↑	234.6	U/L	0.0-143.6
Energy metabolism	GLU		77.5	mg/dL	68.5-135.2
Energy metabolism	TC		194.4	mg/dL	103.2-324.1
Energy metabolism	TG		103.5	mg/dL	8.9-115.1
Minerals	Ca		9.30	mg/dL	8.40-11.88
Minerals	PHOS		3.69	mg/dL	2.48-6.81
Minerals	CaxP		2.77	mmol/L^2	
Minerals	Mg		1.94	mg/dL	1.29-2.58
Electrolytes	Na+		143.5	mmol/L	138.0-160.0
Electrolytes	K+		3.8	mmol/L	3.5-5.9
Electrolytes	Na/K		37.3		
Electrolytes	Cl-		112.3	mmol/L	102.7-125.0

Operator:

## Comprehensive Diagnosis Panel

QC QC OK

HEM(Hemolysis degree):	0	LIP(Lipemia degree):	1+	ICT(Jaundice degree):	0
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## Report Expln.

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: 2025-12-29 17:21:59



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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.

**ALT**



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

**AST**



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

**LDH**



Increase is commonly associated with hemolysis (especially in canine), post-exercise, liver injury, exertional rhabdomyolysis, white muscle disease, myocardial injury, tumors, 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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