

Biochemistry test report



Patient:	Shen	Species:	Canine	Patient ID:	2503291
Client:	Melani Apolinar	Gender:	Male	Sample No.:	0000008
Doctor:		Age stage:	Adult	Time of analysis:	2025/03/29 17:42

Item		Current result		Ref. Ranges	
Protein	TP	↑	9.33	g/dL	5.31-7.92
Protein	ALB		2.72	g/dL	2.34-4.00
Protein	GLOB	↑	6.62	g/dL	2.54-4.40
Protein	A/G		0.4		
Liver and gallbladder	ALT		37.8	U/L	10.1-100.3
Liver and gallbladder	AST	↑	145.0	U/L	21.0-51.7
Liver and gallbladder	AST/ALT		3.84		
Liver and gallbladder	ALP		29.4	U/L	15.5-125.0
Liver and gallbladder	GGT		3.1	U/L	0.0-15.9
Liver and gallbladder	TBIL		<0.10	mg/dL	0.00-0.88
Pancreas	AMY		625.9	U/L	397.7-1285.1
Kidneys	BUN		11.59	mg/dL	7.02-27.45
Kidneys	CREA		0.70	mg/dL	0.38-1.40
Kidneys	BUN/CREA		16.5		
Cardiovasc./Muscle	CK	↑	1832.2	U/L	66.4-257.5
Cardiovasc./Muscle	LDH	↑	315.6	U/L	36.4-143.6
Energy metabolism	GLU	↑	114.2	mg/dL	68.5-113.3
Energy metabolism	TC		152.8	mg/dL	103.2-324.1
Minerals	Ca	↓	<4.00	mg/dL	9.20-11.88
Minerals	PHOS	↓	2.64	mg/dL	3.10-6.81
Minerals	CaxP		****	mmol/L^2	
Electrolytes	tCO2	↓	11.97	mmol/L	13.14-25.13
Electrolytes	Na+		147.3	mmol/L	141.6-160.0
Electrolytes	K+	↑	>8.5	mmol/L	3.5-5.9
Electrolytes	Na/K		****		
Electrolytes	Cl-		109.7	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:2025-03-29 17:52:02



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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.
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.
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.
PHOS	↓	Increase is commonly associated with nephropathy, bone healing period, and hyperthyroidism. Decreased in hyperparathyroidism, tumor, etc.
tCO2	↓	Increase is commonly associated with metabolic alkalosis and respiratory acidosis; Reduction is commonly associated with metabolic acidosis, respiratory alkalosis
K+	↑	Increase is commonly associated with high potassium fluid replacement, diabetes, adrenocortical hypofunction, and acute kidney injury, etc. Reduction is commonly associated with low potassium or potassium-free fluid replacement, vomiting, diarrhea, and hypercorticism, 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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