

Biochemistry test report



Patient:	Juniper	Species:	Canine	Patient ID:	2507113
Client:	Janiella Areola	Gender:	Female	Sample No.:	0000004
Doctor:		Age:	2Y	Time of analysis:	2025/07/11 13:42

Item		Current result		Ref. Ranges	
Protein	TP	↓	3.10	g/dL	5.31-7.92
Protein	ALB	↓	0.59	g/dL	2.34-4.00
Protein	GLOB	↓	2.51	g/dL	2.54-5.20
Protein	A/G		0.2		
Liver and gallbladder	ALT		26.5	U/L	10.1-100.3
Liver and gallbladder	AST	↑	68.7	U/L	0.0-51.7
Liver and gallbladder	AST/ALT		2.59		
Liver and gallbladder	ALP	↑	495.7	U/L	15.5-212.0
Liver and gallbladder	GGT		8.6	U/L	0.0-15.9
Liver and gallbladder	TBIL		0.37	mg/dL	0.00-0.88
Liver and gallbladder	TBA		5.4	μmol/L	0.0-30.0
Pancreas	AMY	↓	389.6	U/L	397.7-1285.1
Kidneys	BUN	↑	33.70	mg/dL	7.02-27.45
Kidneys	CREA		1.24	mg/dL	0.23-1.40
Kidneys	BUN/CREA		27.1		
Cardiovasc./Muscle	CK	↑	1114.1	U/L	66.4-257.5
Cardiovasc./Muscle	LDH		121.0	U/L	0.0-143.6
Energy metabolism	GLU	↑	143.8	mg/dL	68.5-135.2
Energy metabolism	TC		111.5	mg/dL	103.2-324.1
Energy metabolism	TG	↑	130.8	mg/dL	8.9-115.1
Minerals	Ca	↓	6.46	mg/dL	8.40-11.88
Minerals	PHOS		4.35	mg/dL	2.48-6.81
Minerals	CaxP		2.27	mmol/L^2	
Minerals	Mg		1.58	mg/dL	1.48-2.58
Electrolytes	Na+		139.3	mmol/L	138.0-160.0
Electrolytes	K+		4.3	mmol/L	3.5-5.9
Electrolytes	Na/K		32.1		
Electrolytes	Cl-	↑	126.7	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:2025-07-11 15:51:40



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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.
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.
AST	↑	Increase is commonly associated with liver injury and muscle injury, etc.
ALP	↑	Increase is commonly associated with fracture healing period, hepatobiliary diseases, hyperthyroidism, and osteosarcoma, etc.
AMY	↓	Increase is commonly associated with gastroenteritis, pancreatitis, pancreatic tumor, 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 hypercorticalismus, etc. Reduction is commonly associated with insulin administration, malnutrition, and insulinoma, etc.
TG	↑	Increase is commonly associated with postprandial, obesity, diabetes and hypercorticalismus, 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.
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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