

Biochemistry test report



Patient:	RAJIE	Species:	Canine	Patient ID:	118801
Client:	NACUA	Gender:	Male	Sample No.:	08
Doctor:		Age:	4Y	Time of analysis:	2025/06/20 18:51

Item		Current result		Ref. Ranges	
Protein	TP	7.31	g/dL	5.31-7.92	
Protein	ALB	↓ 1.59	g/dL	2.34-4.00	
Protein	GLOB	↑ 5.72	g/dL	2.54-5.20	
Protein	A/G	0.3			
Liver and gallbladder	ALT	↑ 119.5	U/L	10.1-100.3	
Liver and gallbladder	AST	↑ 131.4	U/L	0.0-51.7	
Liver and gallbladder	AST/ALT	1.10			
Liver and gallbladder	ALP	159.3	U/L	15.5-212.0	
Liver and gallbladder	GGT	10.1	U/L	0.0-15.9	
Liver and gallbladder	TBIL	↑ 2.09	mg/dL	0.00-0.88	
Liver and gallbladder	TBA	6.6	μmol/L	0.0-30.0	
Pancreas	AMY	506.2	U/L	397.7-1285.1	
Kidneys	BUN	↑ 46.06	mg/dL	7.02-27.45	
Kidneys	CREA	1.11	mg/dL	0.23-1.40	
Kidneys	BUN/CREA	41.3			
Cardiovasc./Muscle	CK	95.2	U/L	66.4-257.5	
Cardiovasc./Muscle	LDH	↑ 513.6	U/L	0.0-143.6	
Energy metabolism	GLU	↓ 19.4	mg/dL	68.5-135.2	
Energy metabolism	TC	121.1	mg/dL	103.2-324.1	
Energy metabolism	TG	44.3	mg/dL	8.9-115.1	
Minerals	Ca	↓ 7.78	mg/dL	8.40-11.88	
Minerals	PHOS	4.40	mg/dL	2.48-6.81	
Minerals	CaxP	2.76	mmol/L^2		
Minerals	Mg	↑ 2.72	mg/dL	1.48-2.58	
Electrolytes	Na+	138.6	mmol/L	138.0-160.0	
Electrolytes	K+	4.5	mmol/L	3.5-5.9	
Electrolytes	Na/K	30.9			
Electrolytes	Cl-	110.5	mmol/L	102.7-125.0	

Operator:

Comprehensive Diagnosis Panel

QC QC OK

HEM(Hemolysis degree):	0	LIP(Lipemia degree):	1+	ICT(Jaundice degree):	1+
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The results only applies to this test sample.

Test Instrument:Mindray vetXpert C5 Time of Printing:2025-06-20 18:53:50



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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.

ALT



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

AST



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

TBIL



Increase is commonly associated with hemolysis and hepatobiliary dysfunction. Reduction is commonly associated with decreased erythropoiesis, 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.

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.

Mg



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