

Biochemistry test report



Patient:	Adam	Species:	Canine	Patient ID:	2509265
Client:	Rodrigo Gragasín	Gender:	Male	Sample No.:	0000005
Doctor:		Age:	2Y	Time of analysis:	2025/09/26 18:42

Item		Current result		Ref. Ranges	
Protein	TP	6.52	g/dL	5.31-7.92	
Protein	ALB	↓ 2.21	g/dL	2.34-4.00	
Protein	GLOB	4.32	g/dL	2.54-5.20	
Protein	A/G	0.5			
Liver and gallbladder	ALT	47.9	U/L	10.1-100.3	
Liver and gallbladder	AST	↑ 112.1	U/L	0.0-51.7	
Liver and gallbladder	AST/ALT	2.34			
Liver and gallbladder	ALP	↑ 763.8	U/L	15.5-212.0	
Liver and gallbladder	GGT	↑ 30.8	U/L	0.0-15.9	
Liver and gallbladder	TBIL	<0.10	mg/dL	0.00-0.88	
Liver and gallbladder	TBA	13.2	μmol/L	0.0-30.0	
Pancreas	AMY	560.7	U/L	397.7-1285.1	
Kidneys	BUN	↑ 128.75	mg/dL	7.02-27.45	
Kidneys	CREA	↑ 6.25	mg/dL	0.23-1.40	
Kidneys	BUN/CREA	20.5			
Cardiovasc./Muscle	CK	↑ 1416.2	U/L	66.4-257.5	
Cardiovasc./Muscle	LDH	↑ H+ 301.7	U/L	0.0-143.6	
Energy metabolism	GLU	↑ 204.5	mg/dL	68.5-135.2	
Energy metabolism	TC	315.3	mg/dL	103.2-324.1	
Energy metabolism	TG	↑ >531.4	mg/dL	8.9-115.1	
Minerals	Ca	↓ 7.80	mg/dL	8.40-11.88	
Minerals	PHOS	↑ 13.69	mg/dL	2.48-6.81	
Minerals	CaxP	8.62	mmol/L^2		
Minerals	Mg	2.55	mg/dL	1.29-2.58	
Electrolytes	Na+	144.5	mmol/L	138.0-160.0	
Electrolytes	K+	4.7	mmol/L	3.5-5.9	
Electrolytes	Na/K	30.5			
Electrolytes	Cl-	↓ 86.9	mmol/L	102.7-125.0	

Operator:

Comprehensive Diagnosis Panel

QC QC Fail

HEM(Hemolysis degree): 1+ LIP(Lipemia degree): 0 ICT(Jaundice degree): 0

The results only applies to this test sample.

Test Instrument:Mindray vetXpert C5

Time of Printing:2025-09-26 18:46:43



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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.
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.
GGT	↑	Elevated is commonly associated with bile duct injury or cholestasis, 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.
CREA	↑	Increase is commonly associated with nephropathy, etc. Reduction is commonly associated with malnutrition and muscular atrophy, 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.
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.
PHOS	↑	Increase is commonly associated with nephropathy, bone healing period, and hyperthyroidism. Decreased in hyperparathyroidism, tumor, 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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