

Biochemistry test report



Patient:	MOOKIE	Species:	Canine	Patient ID:	107702
Client:	MARIBELLE TOREJAS	Gender:	Female	Sample No.:	01
Doctor:		Age:	5Y	Time of analysis:	2025/08/21 11:25

Item		Current result		Ref. Ranges	
Protein	TP	—	6.91	g/dL	5.31-7.92
Protein	ALB	↓	2.17	g/dL	2.34-4.00
Protein	GLOB		4.73	g/dL	2.54-5.20
Protein	A/G		0.5		
Liver and gallbladder	ALT	↑	133.8	U/L	10.1-100.3
Liver and gallbladder	AST	↑	56.4	U/L	0.0-51.7
Liver and gallbladder	AST/ALT		0.42		
Liver and gallbladder	ALP	↑ —	1745.9	U/L	15.5-212.0
Liver and gallbladder	GGT	↑	74.1	U/L	0.0-15.9
Liver and gallbladder	TBIL	↑	14.40	mg/dL	0.00-0.88
Liver and gallbladder	TBA	↑	>110.0	μmol/L	0.0-30.0
Pancreas	AMY		989.2	U/L	397.7-1285.1
Kidneys	BUN	↑	>182.65	mg/dL	7.03-27.45
Kidneys	CREA	↑	3.51	mg/dL	0.23-1.40
Kidneys	BUN/CREA		****		
Cardiovasc./Muscle	CK	↑	412.4	U/L	66.4-257.5
Cardiovasc./Muscle	LDH		141.1	U/L	0.0-143.6
Energy metabolism	GLU	↑	359.7	mg/dL	68.5-135.2
Energy metabolism	TC	—	254.1	mg/dL	103.2-324.1
Energy metabolism	TG	↑	256.0	mg/dL	8.9-115.1
Minerals	Ca	↓	8.16	mg/dL	8.40-11.88
Minerals	PHOS	↑	13.72	mg/dL	2.48-6.81
Minerals	CaxP		9.05	mmol/L^2	
Minerals	Mg	↑	3.26	mg/dL	1.29-2.58
Electrolytes	Na+		141.6	mmol/L	138.0-160.0
Electrolytes	K+		4.2	mmol/L	3.5-5.9
Electrolytes	Na/K		33.7		
Electrolytes	Cl-		105.9	mmol/L	102.7-125.0

Operator:

Comprehensive Diagnosis Panel

QC QC OK

HEM(Hemolysis degree): 0 LIP(Lipemia degree): 0 ICT(Jaundice degree): 3+

The results only applies to this test sample.

Test Instrument: Mindray vetXpert C5

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Doctor:		Age:	5Y	Time of analysis:	2025/08/21 11:25



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.
ALT	↑	Increase is commonly associated with liver injury and muscle injury, etc.
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.
TBIL	↑	Increase is commonly associated with hemolysis and hepatobiliary dysfunction. Reduction is commonly associated with decreased erythropoiesis, etc.
TBA	↑	Increase is commonly associated with hepatic insufficiency or failure, portal vein shunt, and cholestasis, etc. Reduction is commonly associated with long-term fasting and intestinal malabsorption, 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.
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.
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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