

Biochemistry test report



Patient:	HIRAYA	Species:	Canine	Patient ID:	260117006
Client:	MACARAMBON	Gender:	Female	Sample No.:	06
Doctor:		Age:	2Y	Time of analysis:	2026/01/17 15:30

Item	Current result	Ref. Ranges
Protein	TP	↓ 44.9 g/L
Protein	ALB	↓ 16.7 g/L
Protein	GLOB	28.2 g/L
Protein	A/G	0.6
Liver and gallbladder	ALT	55.9 U/L
Liver and gallbladder	AST	↑ 86.6 U/L
Liver and gallbladder	AST/ALT	1.55
Liver and gallbladder	ALP	57.4 U/L
Liver and gallbladder	GGT	11.4 U/L
Liver and gallbladder	TBIL	9.78 μmol/L
Liver and gallbladder	TBA	↑ 32.4 μmol/L
Pancreas	AMY	497.6 U/L
Kidneys	BUN	2.50 mmol/L
Kidneys	CREA	46.80 μmol/L
Kidneys	BUN/CREA	13.2
Cardiovasc./Muscle	CK	↑ 353.3 U/L
Cardiovasc./Muscle	LDH	95.7 U/L
Energy metabolism	GLU	4.84 mmol/L
Energy metabolism	TC	↓ 2.18 mmol/L
Energy metabolism	TG	0.74 mmol/L
Minerals	Ca	↓ 1.86 mmol/L
Minerals	PHOS	1.28 mmol/L
Minerals	CaxP	2.39 mmol/L
Minerals	Mg	0.71 mmol/L
Electrolytes	Na+	148.4 mmol/L
Electrolytes	K+	5.2 mmol/L
Electrolytes	Na/K	28.5
Electrolytes	Cl-	↓ 96.3 mmol/L

Operator:

Comprehensive Diagnosis Panel	QC	QC Fail
HEM(Hemolysis degree): 0	LIP(Lipemia degree): 0	ICT(Jaundice degree): 0



Report Explain.

TP



Increase is commonly associated with dehydration and increased globulin. Reduction is commonly associated with blood loss, protein-losing enteropathy, and decreased albumin.

The results only applies to this test sample.

Test Instrument: Mindray vetXpert C5

Time of Printing: 2026-01-17 15:31:52



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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.
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.
CK	↑	Increase is commonly associated with trauma, increased muscle activity (such as tetanus and convulsion), myocarditis, and myocardial infarction, etc.
TC	↓	Increase is commonly associated with biliary obstruction, hypothyroidism, hypercorticalismus, nephropathy, diabetes, etc. Reduction is commonly associated with protein loss enteropathy, pancreatic exocrine insufficiency, and hypoadrenocorticism,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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