

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	53.1-79.2
Protein	ALB	↓	16.7	g/L	23.4-40.0
Protein	GLOB		28.2	g/L	25.4-52.0
Protein	A/G		0.6		
Liver and gallbladder	ALT		55.9	U/L	10.1-100.3
Liver and gallbladder	AST	↑	86.6	U/L	0.0-51.7
Liver and gallbladder	AST/ALT		1.55		
Liver and gallbladder	ALP		57.4	U/L	15.5-212.0
Liver and gallbladder	GGT		11.4	U/L	0.0-15.9
Liver and gallbladder	TBIL		9.78	μmol/L	0.00-15.00
Liver and gallbladder	TBA	↑	32.4	μmol/L	0.0-30.0
Pancreas	AMY		497.6	U/L	397.7-1285.1
Kidneys	BUN		2.50	mmol/L	2.50-9.77
Kidneys	CREA		46.80	μmol/L	20.00-123.70
Kidneys	BUN/CREA		13.2		
Cardiovasc./Muscle	CK	↑	353.3	U/L	66.4-257.5
Cardiovasc./Muscle	LDH		95.7	U/L	0.0-143.6
Energy metabolism	GLU		4.84	mmol/L	3.80-7.50
Energy metabolism	TC	↓	2.18	mmol/L	2.67-8.38
Energy metabolism	TG		0.74	mmol/L	0.10-1.30
Minerals	Ca	↓	1.86	mmol/L	2.10-2.97
Minerals	PHOS		1.28	mmol/L	0.80-2.20
Minerals	CaxP		2.39	mmol/L^2	
Minerals	Mg		0.71	mmol/L	0.53-1.06
Electrolytes	Na+		148.4	mmol/L	138.0-160.0
Electrolytes	K+		5.2	mmol/L	3.5-5.9
Electrolytes	Na/K		28.5		
Electrolytes	Cl-	↓	96.3	mmol/L	102.7-125.0

Operator:

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



Report Explen.

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, hypercorticism, 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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