

Biochemistry test report



Patient:	Charles	Species:	Canine	Patient ID:	2509021
Client:	Meg Lamsen	Gender:	Male	Sample No.:	0000001
Doctor:		Age:	7Y	Time of analysis:	2025/09/02 11:57

Item		Current result		Ref. Ranges	
Protein	TP	↑	9.01	g/dL	5.31-7.92
Protein	ALB	↓	2.12	g/dL	2.34-4.00
Protein	GLOB	↑	6.89	g/dL	2.54-5.20
Protein	A/G		0.3		
Liver and gallbladder	ALT		36.0	U/L	10.1-100.3
Liver and gallbladder	AST		21.5	U/L	0.0-51.7
Liver and gallbladder	AST/ALT		0.60		
Liver and gallbladder	ALP		103.0	U/L	15.5-212.0
Liver and gallbladder	GGT		5.4	U/L	0.0-15.9
Liver and gallbladder	TBIL		0.24	mg/dL	0.00-0.88
Liver and gallbladder	TBA		<1.0	μmol/L	0.0-30.0
Pancreas	AMY		1213.5	U/L	397.7-1285.1
Kidneys	BUN	↑	29.51	mg/dL	7.02-27.45
Kidneys	CREA	↑	1.83	mg/dL	0.23-1.40
Kidneys	BUN/CREA		16.1		
Cardiovasc./Muscle	CK	↓	48.6	U/L	66.4-257.5
Cardiovasc./Muscle	LDH		39.5	U/L	0.0-143.6
Energy metabolism	GLU		78.6	mg/dL	68.5-135.2
Energy metabolism	TC		193.2	mg/dL	103.2-324.1
Energy metabolism	TG		64.3	mg/dL	8.9-115.1
Minerals	Ca		8.97	mg/dL	8.40-11.88
Minerals	PHOS		3.86	mg/dL	2.48-6.81
Minerals	CaxP		2.79	mmol/L^2	
Minerals	Mg		1.42	mg/dL	1.29-2.58
Electrolytes	Na+	↓	133.8	mmol/L	138.0-160.0
Electrolytes	K+		4.9	mmol/L	3.5-5.9
Electrolytes	Na/K		27.1		
Electrolytes	Cl-	↑	126.2	mmol/L	102.7-125.0

Operator:

Comprehensive Diagnosis Panel

QC QC OK

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

The results only applies to this test sample.

Test Instrument:Mindray vetXpert C5 Time of Printing:2025-09-02 17:04:14



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Report Explan.

TP



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

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.

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.

Na+



Increase is commonly associated with salt intoxication, hypertonic NaCl solution rehydration, hyperaldosteronism, and severe dehydration, etc. Reduction is commonly associated with hypoadrenocorticism, diuretic therapy, 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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