

Biochemistry test report



Patient:	Bubbles	Species:	Canine	Patient ID:	260105002
Client:	Adoree Jabanes	Gender:	Female	Sample No.:	0000002
Doctor:		Age:	10Y	Time of analysis:	2026/01/05 11:50

Item	Current result	Ref. Ranges
Protein TP	↓ 2.31	g/dL 5.31-7.92
Protein ALB	↓ 1.11	g/dL 2.34-4.00
Protein GLOB	↓ 1.20	g/dL 2.54-5.20
Protein A/G	0.9	
Liver and gallbladder ALT	↓ 7.6	U/L 10.1-100.3
Liver and gallbladder AST	13.6	U/L 0.0-51.7
Liver and gallbladder AST/ALT	1.79	
Liver and gallbladder ALP	↓ <5.0	U/L 15.5-212.0
Liver and gallbladder GGT	3.6	U/L 0.0-15.9
Liver and gallbladder TBIL	<0.10	mg/dL 0.00-0.88
Liver and gallbladder TBA	<1.0	μmol/L 0.0-30.0
Pancreas AMY	↓ 259.6	U/L 397.7-1285.1
Kidneys BUN	↓ 5.58	mg/dL 7.02-27.45
Kidneys CREA	0.23	mg/dL 0.23-1.40
Kidneys BUN/CREA	24.5	
Cardiovasc./Muscle CK	101.7	U/L 66.4-257.5
Cardiovasc./Muscle LDH	88.3	U/L 0.0-143.6
Energy metabolism GLU	↓ 30.5	mg/dL 68.5-135.2
Energy metabolism TC	↓ 78.1	mg/dL 103.2-324.1
Energy metabolism TG	10.6	mg/dL 8.9-115.1
Minerals Ca	↓ <4.00	mg/dL 8.40-11.88
Minerals PHOS	↓ 1.18	mg/dL 2.48-6.81
Minerals CaxP	****	mmol/L^2
Minerals Mg	↓ 0.67	mg/dL 1.29-2.58
Electrolytes Na+	↓ <110.0	mmol/L 138.0-160.0
Electrolytes K+	↓ <1.0	mmol/L 3.5-5.9
Electrolytes Na/K	****	
Electrolytes Cl-	↓ <70.0	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 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: 2026/01/05 14:38:29



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Report Explain.

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.
ALT	↓	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.
AMY	↓	Increase is commonly associated with gastroenteritis, pancreatitis, pancreatic tumor, 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.
GLU	↓	Increase is commonly associated with diabetes and hypercorticalismus, etc. Reduction is commonly associated with insulin administration, malnutrition, and insulinoma, 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.
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.
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.
K+	↓	Increase is commonly associated with high potassium fluid replacement, diabetes, adrenocortical hypofunction, and acute kidney injury, etc. Reduction is commonly associated with low potassium or potassium-free fluid replacement, vomiting, diarrhea, and hypercorticalismus, 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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