

Biochemistry test report



Patient: Bella Species: Canine Patient ID: 114836
 Client: Pugoy Gender: Female Sample No.: 01
 Doctor: Age stage: Time of analysis: 2025/02/26 13:16

Item	Current result	Ref. Ranges
Protein TP	7.38 g/dL	5.31-7.92
Protein ALB	↓ 2.09 g/dL	2.34-4.00
Protein GLOB	↑ 5.29 g/dL	2.54-4.40
Protein A/G	0.4	
Liver and gallbladder ALT	↓ 7.9 U/L	10.1-100.3
Liver and gallbladder AST	34.5 U/L	21.0-51.7
Liver and gallbladder AST/ALT	4.37	
Liver and gallbladder ALP	↑ 332.1 U/L	15.5-125.0
Liver and gallbladder GGT	2.5 U/L	0.0-15.9
Liver and gallbladder TBIL	<0.10 mg/dL	0.00-0.88
Pancreas AMY	↓ 333.4 U/L	397.7-1285.1
Kidneys BUN	11.27 mg/dL	7.02-27.45
Kidneys CREA	0.50 mg/dL	0.38-1.40
Kidneys BUN/CREA	22.6	
Cardiovasc./Muscle CK	97.0 U/L	66.4-257.5
Cardiovasc./Muscle LDH	↑ 276.0 U/L	36.4-143.6
Energy metabolism GLU	↑ 117.0 mg/dL	68.5-113.3
Energy metabolism TC	306.4 mg/dL	103.2-324.1
Minerals Ca	↓ 8.62 mg/dL	9.20-11.88
Minerals PHOS	↓ 2.01 mg/dL	3.10-6.81
Minerals CaxP	1.40 mmol/L ²	
Electrolytes tCO2	17.90 mmol/L	13.14-25.13
Electrolytes Na+	↓ 128.2 mmol/L	141.6-160.0
Electrolytes K+	3.8 mmol/L	3.5-5.9
Electrolytes Na/K	33.7	
Electrolytes Cl-	105.7 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: 2025-02-26 13:28:51



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Client:	Pugoy	Gender:	Female	Sample No.:	01
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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.
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.
LDH	↑	Increase is commonly associated with hemolysis (especially in canine), post-exercise, liver injury, exertional rhabdomyolysis, white muscle disease, myocardial injury, tumors, etc.
GLU	↑	Increase is commonly associated with diabetes and hypercorticalismus, etc. Reduction is commonly associated with insulin administration, malnutrition, and insulinoma, 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.
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.

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. The results only applies to this test sample.

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