

Biochemistry test report



Patient: PUPPY Species: Canine Patient ID: 260213004
 Client: DAMPAL Gender: Male Sample No.: 04
 Doctor: Age: 7Y Time of analysis: 2026/02/13 13:00

Item	Current result	Ref. Ranges
Protein TP ↑ 84.8 g/L	53.1-79.2	
Protein ALB ↓ 16.9 g/L	23.4-40.0	
Protein GLOB ↑ 67.9 g/L	25.4-52.0	
Protein A/G 0.2		
Liver and gallbladder ALT ↑ 498.3 U/L	10.1-100.3	
Liver and gallbladder AST ↑ 93.4 U/L	0.0-51.7	
Liver and gallbladder AST/ALT 0.19		
Liver and gallbladder ALP ↑ - 277.9 U/L	15.5-212.0	
Liver and gallbladder GGT ↑ 24.4 U/L	0.0-15.9	
Liver and gallbladder TBIL ↑ 118.75 μmol/L	0.00-15.00	
Liver and gallbladder TBA ↑ 47.8 μmol/L	0.0-30.0	
Pancreas AMY 870.4 U/L	397.7-1285.1	
Kidneys BUN ↑ 10.23 mmol/L	2.50-9.77	
Kidneys CREA ↑ 149.90 μmol/L	20.00-123.70	
Kidneys BUN/CREA 16.9		
Cardiovasc./Muscle CK 182.4 U/L	66.4-257.5	
Cardiovasc./Muscle LDH 51.7 U/L	0.0-143.6	
Energy metabolism GLU 5.42 mmol/L	3.80-7.50	
Energy metabolism TC 3.54 mmol/L	2.67-8.38	
Energy metabolism TG 0.79 mmol/L	0.10-1.30	
Minerals Ca 2.12 mmol/L	2.10-2.97	
Minerals PHOS 1.22 mmol/L	0.80-2.20	
Minerals CaxP 2.59 mmol/L^2		
Minerals Mg 0.58 mmol/L	0.53-1.06	
Electrolytes Na+ 154.8 mmol/L	138.0-160.0	
Electrolytes K+ 3.7 mmol/L	3.5-5.9	
Electrolytes Na/K 41.6		
Electrolytes Cl- ↓ 102.1 mmol/L	102.7-125.0	

Operator:

Comprehensive Diagnosis Panel

QC QC OK

HEM(Hemolysis degree): 0 LIP(Lipemia degree): 0 ICT(Jaundice degree): 2+



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: 2026-02-13 14:24:15



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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.
AST	↑	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.
GGT	↑	Elevated is commonly associated with bile duct injury or cholestasis, etc.
TBIL	↑	Increase is commonly associated with hemolysis and hepatobiliary dysfunction. Reduction is commonly associated with decreased erythropoiesis, 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.
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.
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. The results only applies to this test sample.

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