



Biochemistry test report

Patient: Waffle Species: Canine Patient ID:
 Client: Ruth Ubilas Gender: Female Sample No.: 0000009
 Doctor: Age: 2Y Time of analysis: 2026/05/21 17:07

Item	Current result	Ref. Ranges
Protein TP	8.09 g/dL	5.20-8.20
Protein ALB	3.83 g/dL	2.10-4.00
Protein GLOB	4.26 g/dL	2.54-5.20
Protein A/G	0.9	
Liver and gallbladder ALT	58.4 U/L	10.1-100.3
Liver and gallbladder AST	62.9 U/L	0.0-51.7
Liver and gallbladder AST/ALT	1.08	
Liver and gallbladder ALP	48.1 U/L	15.5-212.0
Liver and gallbladder GGT	5.2 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	1074.9 U/L	397.7-1285.1
Pancreas LIPA-D	175.5 U/L	0.0-100.0
Kidneys BUN	47.22 mg/dL	7.02-27.45
Kidneys CREA	1.22 mg/dL	0.23-1.40
Kidneys BUN/CREA	38.7	
Cardiovasc./Muscle CK	254.3 U/L	66.4-257.5
Cardiovasc./Muscle LDH	353.5 U/L	0.0-143.6
Energy metabolism GLU	126.6 mg/dL	68.5-135.2
Energy metabolism TC	227.2 mg/dL	103.2-324.1
Energy metabolism TG	125.3 mg/dL	8.9-115.1
Minerals Ca	12.91 mg/dL	8.40-11.88
Minerals PHOS	<0.19 mg/dL	2.17-6.81
Minerals CaxP	**** (mmol/L) ²	
Minerals Mg	2.28 mg/dL	1.29-2.58
Electrolytes Na+	>180.0 mmol/L	138.0-160.0
Electrolytes K+	5.1 mmol/L	3.5-5.9
Electrolytes Na/K	****	
Electrolytes Cl-	>145.0 mmol/L	100.7-125.0

LIPA-D: 0.0-100.0 U/L Negative 100.0-200.0 U/L Suspected >200.0 U/L Positive

Operator:

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

Report Explan.

AST ↑ Increase is commonly associated with liver injury and muscle injury, etc.

The results only applies to this test sample. Test Instrument: Mindray vetXpert C5 Time of Printing: 2026-05-21 17:14:47



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Report Explan.

LIPA-D	↑	Increase is commonly associated with 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.
LDH	↑	Increase is commonly associated with hemolysis (especially in canine), post-exercise, liver injury, exertional rhabdomyolysis, white muscle disease, myocardial injury, tumors, etc.
TG	↑	Increase is commonly associated with postprandial, obesity, diabetes and hypercorticism, 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.
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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