

# Biochemistry test report



Patient:	Nala	Species:	Canine	Patient ID:	251218012
Client:	Cagas	Gender:	Female	Sample No.:	12
Doctor:		Age:	5Y	Time of analysis:	2025/12/18 21:11

Item		Current result		Ref. Ranges	
Protein	TP	I- 75.8	g/L	53.1-79.2	
Protein	ALB	34.9	g/L	23.4-40.0	
Protein	GLOB	40.9	g/L	25.4-52.0	
Protein	A/G	0.9			
Liver and gallbladder	ALT	↑ 111.2	U/L	10.1-100.3	
Liver and gallbladder	AST	38.1	U/L	0.0-51.7	
Liver and gallbladder	AST/ALT	0.34			
Liver and gallbladder	ALP	↑ I- 982.9	U/L	15.5-212.0	
Liver and gallbladder	GGT	↑ 27.1	U/L	0.0-15.9	
Liver and gallbladder	TBIL	↑ 242.75	μmol/L	0.00-15.00	
Liver and gallbladder	TBA	↑ >110.0	μmol/L	0.0-30.0	
Pancreas	AMY	802.4	U/L	397.7-1285.1	
Kidneys	BUN	↑ 41.95	mmol/L	2.50-9.77	
Kidneys	CREA	↑ 256.10	μmol/L	20.00-123.70	
Kidneys	BUN/CREA	40.5			
Cardiovasc./Muscle	CK	171.4	U/L	66.4-257.5	
Cardiovasc./Muscle	LDH	51.5	U/L	0.0-143.6	
Energy metabolism	GLU	↑ 8.17	mmol/L	3.80-7.50	
Energy metabolism	TC	I- 3.93	mmol/L	2.67-8.38	
Energy metabolism	TG	0.93	mmol/L	0.10-1.30	
Minerals	Ca	2.89	mmol/L	2.10-2.97	
Minerals	PHOS	↑ 3.39	mmol/L	0.80-2.20	
Minerals	CaxP	9.81	mmol/L		
Minerals	Mg	0.83	mmol/L	0.53-1.06	
Electrolytes	Na+	↓ 131.0	mmol/L	138.0-160.0	
Electrolytes	K+	↓ 3.2	mmol/L	3.5-5.9	
Electrolytes	Na/K	40.5			
Electrolytes	Cl-	↓ 95.1	mmol/L	102.7-125.0	

Operator:

Comprehensive Diagnosis Panel	QC	QC	OK
HEM(Hemolysis degree): 0	LIP(Lipemia degree): 0	ICT(Jaundice degree): 0	3+



## Report Explan.

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.

The results only applies to this test sample.

Test Instrument: Mindray vetXpert C5

Time of Printing: 2025-12-18 21:17:57



PETVET CENTRAL VETERINARY CLINIC  
UPTOWN, CAGAYAN DE ORO CITY  
09162359535

Global Pioneer of Comprehensive Animal Medical Solutions

Better healthcare for all - Since 1991

# Biochemistry test report



Patient:	Nala	Species:	Canine	Patient ID:	251218012
Client:	Cagas	Gender:	Female	Sample No.:	12
Doctor:		Age:	5Y	Time of analysis:	2025/12/18 21:11



## Report Explain.

<b>GGT</b>	↑	Elevated is commonly associated with bile duct injury or cholestasis, etc.
<b>TBIL</b>	↑	Increase is commonly associated with hemolysis and hepatobiliary dysfunction. Reduction is commonly associated with decreased erythropoiesis, etc.
<b>TBA</b>	↑	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.
<b>BUN</b>	↑	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.
<b>CREA</b>	↑	Increase is commonly associated with nephropathy, etc. Reduction is commonly associated with malnutrition and muscular atrophy, etc.
<b>GLU</b>	↑	Increase is commonly associated with diabetes and hypercorticalismus, etc. Reduction is commonly associated with insulin administration, malnutrition, and insulinoma, etc.
<b>PHOS</b>	↑	Increase is commonly associated with nephropathy, bone healing period, and hyperthyroidism. Decreased in hyperparathyroidism, tumor, etc.
<b>Na+</b>	↓	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.
<b>K+</b>	↓	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.
<b>Cl-</b>	↓	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.

Test Instrument: Mindray vetXpert C5 Time of Printing: 2025-12-18 21:17:57



PETVET CENTRAL VETERINARY CLINIC  
UPTOWN, CAGAYAN DE ORO CITY  
09162359535

Global Pioneer of Comprehensive Animal Medical Solutions  
Better healthcare for all - Since 1991

**mindray**  
animal care