

# Biochemistry test report



Patient:	Angel	Species:	Canine	Patient ID:	260118003
Client:	Eduardo Dias	Gender:	Male	Sample No.:	0000003
Doctor:		Age:	4Y	Time of analysis:	2026/01/18 16:42

Item		Current result		Ref. Ranges	
Protein	TP	6.53	g/dL	5.31-7.92	
Protein	ALB	↓ 1.71	g/dL	2.34-4.00	
Protein	GLOB	4.83	g/dL	2.54-5.20	
Protein	A/G	0.4			
Liver and gallbladder	ALT	55.2	U/L	10.1-100.3	
Liver and gallbladder	AST	↑ 61.6	U/L	0.0-51.7	
Liver and gallbladder	AST/ALT	1.12			
Liver and gallbladder	ALP	135.5	U/L	15.5-212.0	
Liver and gallbladder	GGT	↑ 18.2	U/L	0.0-15.9	
Liver and gallbladder	TBIL	0.18	mg/dL	0.00-0.88	
Liver and gallbladder	TBA	↑ 37.7	μmol/L	0.0-30.0	
Pancreas	AMY	729.7	U/L	397.7-1285.1	
Kidneys	BUN	8.21	mg/dL	7.02-27.45	
Kidneys	CREA	0.35	mg/dL	0.23-1.40	
Kidneys	BUN/CREA	23.5			
Cardiovasc./Muscle	CK	218.0	U/L	66.4-257.5	
Cardiovasc./Muscle	LDH	123.9	U/L	0.0-143.6	
Energy metabolism	GLU	↓ 56.9	mg/dL	68.5-135.2	
Energy metabolism	TC	↓ 80.6	mg/dL	103.2-324.1	
Energy metabolism	TG	39.0	mg/dL	8.9-115.1	
Minerals	Ca	↓ 7.80	mg/dL	8.40-11.88	
Minerals	PHOS	4.86	mg/dL	2.48-6.81	
Minerals	CaxP	3.06	mmol/L^2		
Minerals	Mg	1.41	mg/dL	1.29-2.58	
Electrolytes	Na+	144.3	mmol/L	138.0-160.0	
Electrolytes	K+	5.5	mmol/L	3.5-5.9	
Electrolytes	Na/K	26.2			
Electrolytes	Cl-	↑ 126.8	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
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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.

The results only applies to this test sample.

Test Instrument: Mindray vetXpert C5

Time of Printing: 2026-01-18 16:48:30



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	Report Explan.	
AST	↑	Increase is commonly associated with liver injury and muscle injury, etc.
GGT	↑	Elevated is commonly associated with bile duct injury or cholestasis, 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.
GLU	↓	Increase is commonly associated with diabetes and hypercorticism, etc. Reduction is commonly associated with insulin administration, malnutrition, and insulinoma, etc.
TC	↓	Increase is commonly associated with biliary obstruction, hypothyroidism, hypercorticism, 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.
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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# Immunoassay test report



Patient:	Angel	Species:	Canine	Patient ID:	260118003
Client:	Eduardo Dias	Gender:	Male	Sample No.:	0000003
Doctor:		Age:	4Y	Time of analysis:	2026/01/18 16:42

Lab item	Current result		Ref. Ranges	
cSDMA	12.9	µg/dL	0.0-14.0	

Operator:

## Report Explan.

### cSDMA

Result indications:

<14.0 ug/dL Normal

14.0-20.0 ug/dL Suspected

>20.0 ug/dL Abnormal

Clinical significance:

cSDMA is an early biomarker of progressive kidney injury, and an increase may indicate impaired renal function.

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 I3 Time of Printing: 2026-01-18 16:48:32



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