Biochemistry test report

Patient:	Princess	Species:	Canine	Patient ID:	2510051
Client:	Felipe De Vera	Gender:	Female	Sample No.:	0000002
Doctor:		Age:	2Y	Time of analysis:	2025/10/22 10:23

	Item		Current result		Ref. Ranges		2025/10/05
Protein	**TP**	↑	**7.99**	g/dL	5.31-7.92		**8.14**
Protein	**ALB**		**2.60**	g/dL	2.34-4.00		**2.76**
Protein	**GLOB**	↑	**5.39**	g/dL	2.54-5.20		**5.38**
Protein	**A/G**		**0.5**				**0.5**
Liver and gallbladder	**ALT**		**53.9**	U/L	10.1-100.3		**21.0**
Liver and gallbladder	**AST**	↑	**171.6**	U/L	0.0-51.7		**11.1**
Liver and gallbladder	**AST/ALT**		**3.19**				**0.53**
Liver and gallbladder	**ALP**		**157.3**	U/L	15.5-212.0		**78.7**
Liver and gallbladder	**GGT**		**6.2**	U/L	0.0-15.9		**3.9**
Liver and gallbladder	**TBIL**	↑	**1.48**	mg/dL	0.00-0.88		**0.41**
Liver and gallbladder	**TBA**		**16.8**	μmol/L	0.0-30.0		**2.2**
Pancreas	**AMY**		**921.1**	U/L	397.7-1285.1		**1368.2**
Kidneys	**BUN**	↑	**34.90**	mg/dL	7.02-27.45		**11.38**
Kidneys	**CREA**		**0.67**	mg/dL	0.23-1.40		**0.59**
Kidneys	**BUN/CREA**		**51.7**				**19.2**
Cardiovasc./Muscle	**CK**		**181.8**	U/L	66.4-257.5		**72.3**
Cardiovasc./Muscle	**LDH**	↑ H+	**183.8**	U/L	0.0-143.6		**107.1**
Energy metabolism	**GLU**		**90.5**	mg/dL	68.5-135.2		**104.1**
Energy metabolism	**TC**		**175.1**	mg/dL	103.2-324.1		**152.4**
Energy metabolism	**TG**		**57.8**	mg/dL	8.9-115.1		**46.9**
Minerals	**Ca**		**8.50**	mg/dL	8.40-11.88		**9.41**
Minerals	**PHOS**		**3.01**	mg/dL	2.48-6.81		**4.08**
Minerals	**CaxP**		**2.07**	mmol/L^2			**3.10**
Minerals	**Mg**		**1.60**	mg/dL	1.29-2.58		**1.42**
Electrolytes	**Na+**		**146.3**	mmol/L	138.0-160.0		**136.2**
Electrolytes	**K+**	↓	**3.0**	mmol/L	3.5-5.9		**3.8**
Electrolytes	**Na/K**		**48.4**				**35.8**
Electrolytes	**Cl-**	↑	**127.1**	mmol/L	102.7-125.0		**121.2**

Operator:

Comprehensive Diagnosis Panel **QC QC OK**

HEM(Hemolysis degree): 1+ LIP(Lipemia degree): 0 ICT(Jaundice degree): 1+

The results only applies to this test sample. Test Instrument:Mindray vetXpert C5 Time of Printing:2025-10-25 17:26:27

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Report Explan.

TP	↑	Increase is commonly associated with dehydration and increased globulin. Reduction is commonly associated with blood loss, protein-losing enteropathy, and decreased albumin.
GLOB	↑	Increase is commonly associated with chronic inflammation and infection, and hyperimmunity, etc. Reduction is commonly associated with insufficient protein intake, anemia, and immunodeficiency.
AST	↑	Increase is commonly associated with liver injury and muscle injury, etc.
TBIL	↑	Increase is commonly associated with hemolysis and hepatobiliary dysfunction. Reduction is commonly associated with decreased erythropoiesis, 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.
K+	↓	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.
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:	Princess	Species:	Canine	Patient ID:	2510051
Client:	Felipe De Vera	Gender:	Female	Sample No.:	0000002
Doctor:		Age:	2Y	Time of analysis:	2025/10/22 10:23

Lab item	Current result		Ref. Ranges		2025/10/05
cSDMA	**13.2**	µg/dL	0.0-14.0		**11.7**

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:2025-10-25 17:26:30