## Biochemistry test report



Patient:NickySpecies:CaninePatient ID:2503281Client:Maricl SungaGender:FemaleSample No.:2

Doctor: Age stage: Adult Time of analysis: 2025/03/28 09:42

Protein         TP         5.51         g/dL         5.31-7.92           Protein         ALB         ↓ 2.25         g/dL         2.34-4.00           Protein         GLOB         3.26         g/dL         2.54-4.40           Protein         A/G         0.7           Liver and gallbladder         ALT         35.2         U/L         10.1-100.3           Liver and gallbladder         AST         31.8         U/L         21.0-51.7         □           Liver and gallbladder         AST/ALT         0.90         □         □         □           Liver and gallbladder         ALP         66.7         U/L         15.5-125.0         □         □           Liver and gallbladder         GGT         4.0         U/L         0.0-15.9         □         □           Liver and gallbladder         GGT         4.0         U/L         0.0-15.9         □         □           Liver and gallbladder         GGT         4.0         U/L         0.0-15.9         □         □           Liver and gallbladder         TBIL         <0.10		ltem		Current result		Ref. Ranges	
Protein         ALB         2.25         g/dL         2.34-4.00           Protein         GLOB         3.26         g/dL         2.54-4.40           Protein         A/G         0.7           Liver and gallbladder         ALT         35.2         U/L         10.1-100.3           Liver and gallbladder         AST         31.8         U/L         21.0-51.7           Liver and gallbladder         AST/ALT         0.90            Liver and gallbladder         ALP         66.7         U/L         15.5-125.0            Liver and gallbladder         GGT         4.0         U/L         0.0-15.9            Liver and gallbladder         TBIL         <0.10         mg/dL         0.00-0.88            Liver and gallbladder         BIL         <0.10         mg/dL         0.00-0.88            Liver and gallbladder         TBIL         <0.10         mg/dL         0.00-0.88            Liver and gallbladder         BIL         <0.10         mg/dL         0.00-0.88            Liver and gallbladder         TBIL         <0.10         mg/dL         0.00-0.88            Kidneys         BUN <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
Protein         GLOB         3.26         g/dL         2.54-4.40         ●           Protein         A/G         0.7         U/L         10.1-100.3         ●           Liver and gallbladder         ALT         35.2         U/L         21.0-51.7         ●           Liver and gallbladder         AST/ALT         0.90         ●	Protein	TP		5.51	g/dL	5.31-7.92	
Protein         A/G         0.7           Liver and gallbladder         ALT         35.2         U/L         10.1-100.3	Protein	ALB	$\downarrow$	2.25	g/dL	2.34-4.00	
Liver and gallbladder   AST	Protein	GLOB		3.26	g/dL	2.54-4.40	
Liver and gallbladder AST	Protein	A/G		0.7			
Liver and gallbladder         AST/ALT         0.90           Liver and gallbladder         ALP         66.7         U/L         15.5-125.0         ●           Liver and gallbladder         GGT         4.0         U/L         0.0-15.9         ●           Liver and gallbladder         TBIL         <0.10	Liver and gallbladder	ALT		35.2	U/L	10.1-100.3	
Liver and gallbladder       ALP       66.7       U/L       15.5-125.0       Image: Control of the properties of the	Liver and gallbladder	AST		31.8	U/L	21.0-51.7	<u> </u>
Liver and gallbladder	Liver and gallbladder	AST/ALT		0.90			
Liver and gallbladder      Fancreas	Liver and gallbladder	ALP		66.7	U/L	15.5-125.0	
Pancreas         AMY         814.8         U/L         397.7-1285.1         Image: Control of the cont	Liver and gallbladder	GGT		4.0	U/L	0.0-15.9	
Kidneys         BUN         11.31         mg/dL         7.02-27.45           Kidneys         CREA         0.63         mg/dL         0.38-1.40           Kidneys         BUN/CREA         17.9           Cardiovasc./Muscle         CK         412.2         U/L         66.4-257.5           Cardiovasc./Muscle         LDH         49.2         U/L         36.4-143.6         Image: Company of the compan	Liver and gallbladder	TBIL		<0.10	mg/dL	0.00-0.88	
Kidneys         CREA         0.63         mg/dL         0.38-1.40           Kidneys         BUN/CREA         17.9           Cardiovasc./Muscle         CK         412.2         U/L         66.4-257.5           Cardiovasc./Muscle         LDH         49.2         U/L         36.4-143.6           Energy metabolism         GLU         70.8         mg/dL         68.5-113.3           Energy metabolism         TC         151.0         mg/dL         103.2-324.1           Minerals         Ca         4.00         mg/dL         9.20-11.88           Minerals         PHOS         1.97         mg/dL         3.10-6.81           Minerals         CaxP         *****         mmol/L^2           Electrolytes         tCO2         10.86         mmol/L         13.14-25.13	Pancreas	AMY		814.8	U/L	397.7-1285.1	
Kidneys       BUN/CREA       17.9         Cardiovasc./Muscle       CK       ↑ 412.2       U/L       66.4-257.5	Kidneys	BUN		11.31	mg/dL	7.02-27.45	<u> </u>
Cardiovasc./Muscle         CK         412.2         U/L         66.4-257.5           Cardiovasc./Muscle         LDH         49.2         U/L         36.4-143.6         Image: Control of the	Kidneys	CREA		0.63	mg/dL	0.38-1.40	
Cardiovasc./Muscle         LDH         49.2         U/L         36.4-143.6         ■           Energy metabolism         GLU         70.8         mg/dL         68.5-113.3         ■           Energy metabolism         TC         151.0         mg/dL         103.2-324.1         ■           Minerals         Ca         ✓ 4.00         mg/dL         9.20-11.88         ■           Minerals         PHOS         ↓ 1.97         mg/dL         3.10-6.81         ■           Minerals         CaxP         *****         mmol/L^2           Electrolytes         tCO2         ↓ 10.86         mmol/L         13.14-25.13         ■	Kidneys	BUN/CREA		17.9			
Energy metabolism         GLU         70.8         mg/dL         68.5-113.3         ■           Energy metabolism         TC         151.0         mg/dL         103.2-324.1         ■           Minerals         Ca         ↓ <4.00	Cardiovasc./Muscle	CK 1	<b>↑</b>	412.2	U/L	66.4-257.5	
Energy metabolism         TC         151.0         mg/dL         103.2-324.1           Minerals         Ca         ✓ 4.00         mg/dL         9.20-11.88           Minerals         PHOS         ↓ 1.97         mg/dL         3.10-6.81           Minerals         CaxP         *****         mmol/L^2           Electrolytes         tCO2         ↓ 10.86         mmol/L         13.14-25.13	Cardiovasc./Muscle	LDH		49.2	U/L	36.4-143.6	<u> </u>
Minerals         Ca         ✓ 4.00         mg/dL         9.20-11.88           Minerals         PHOS         ↓ 1.97         mg/dL         3.10-6.81           Minerals         CaxP         *****         mmol/L^2           Electrolytes         tCO2         ↓ 10.86         mmol/L         13.14-25.13	Energy metabolism	GLU		70.8	mg/dL	68.5-113.3	
Minerals         PHOS         1.97         mg/dL         3.10-6.81           Minerals         CaxP         *****         mmol/L^2           Electrolytes         tCO2         10.86         mmol/L         13.14-25.13	Energy metabolism	тс		151.0	mg/dL	103.2-324.1	
Minerals         CaxP         *****         mmol/L^2           Electrolytes         tCO2         ↓ 10.86         mmol/L         13.14-25.13	Minerals	Ca	$\downarrow$	<4.00	mg/dL	9.20-11.88	
Electrolytes <b>tCO2</b>	Minerals	PHOS	$\downarrow$	1.97	mg/dL	3.10-6.81	
	Minerals	CaxP		***	mmol/L^2		
Flortrolytes Na+ <110.0 mmol/l 1/16-160.0	Electrolytes	tCO2	$\downarrow$	10.86	mmol/L	13.14-25.13	
Liectrolytes Nat	Electrolytes	Na+	$\downarrow$	<110.0	mmol/L	141.6-160.0	
Electrolytes K+ ↑ 7.1 mmol/L 3.5-5.9	Electrolytes	<b>K</b> +	<b>↑</b>	7.1	mmol/L	3.5-5.9	· · · · · · · · · · · · · · · · · · ·
Electrolytes Na/K ****	Electrolytes	Na/K		****			
Electrolytes <b>CI-</b>	Electrolytes	CI-	$\downarrow$	<70.0	mmol/L	102.7-125.0	

Operator:

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

The results only applies to this test sample.

Test Instrument:Mindray vetXpert C5

Time of Printing:2025-03-28 09:56:07









Patient: Nicky Species: Canine Patient ID: 2503281 Maricl Sunga Gender: Female Sample No.: Client: 2 Adult Time of analysis: 2025/03/28 09:42 Doctor: Age stage:

	Report Explan.	
ALB	<b>↓</b>	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.
СК	<b>↑</b>	Increase is commonly associated with trauma, increased muscle activity (such as tetanus and convulsion), myocarditis, and myocardial infarction, etc.
Са	<b>↓</b>	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	<b>↓</b>	Increase is commonly associated with nephropathy, bone healing period, and hyperthyroidism. Decreased in hyperparathyroidism, tumor, etc.
tCO2	<b>↓</b>	Increase is commonly associated with metabolic alkalosis and respiratory acidosis; Reduction is commonly associated with metabolic acidosis, respiratory alkalosis
Na+	<b>↓</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.
K+	<u> </u>	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.
CI-	<b>↓</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.

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