Biochemistry test report

Patient:	Oscar	Species:	Feline	Patient ID:	260201002
Client:	Christine Yap	Gender:	Male	Sample No.:	0000002
Doctor:		Age:	3Y	Time of analysis:	2026/02/01 11:34

	Item		Current result		Ref. Ranges
Protein	**TP**	↓	**5.60**	g/dL	5.65-8.85
Protein	**ALB**	↓	**1.76**	g/dL	2.20-4.00
Protein	**GLOB**		**3.84**	g/dL	2.82-5.13
Protein	**A/G**		**0.5**		
Liver and gallbladder	**ALT**		**14.4**	U/L	12.0-149.2
Liver and gallbladder	**AST**		**32.6**	U/L	0.0-60.0
Liver and gallbladder	**AST/ALT**		**2.26**		
Liver and gallbladder	**ALP**	↓	**<5.0**	U/L	8.7-110.9
Liver and gallbladder	**GGT**		**2.1**	U/L	0.0-8.2
Liver and gallbladder	**TBIL**		**0.18**	mg/dL	0.00-0.88
Liver and gallbladder	**TBA**		**1.2**	μmol/L	0.0-20.0
Pancreas	**AMY**	↓	**512.2**	U/L	555.6-1940.0
Kidneys	**BUN**		**19.18**	mg/dL	12.79-32.06
Kidneys	**CREA**		**0.43**	mg/dL	0.32-2.03
Kidneys	**BUN/CREA**		**44.3**		
Cardiovasc./Muscle	**CK**		**144.3**	U/L	66.1-530.9
Cardiovasc./Muscle	**LDH**	↑	**425.0**	U/L	0.0-334.2
Energy metabolism	**GLU**	↑	**169.7**	mg/dL	61.1-151.2
Energy metabolism	**TC**		**135.3**	mg/dL	72.3-225.8
Energy metabolism	**TG**		**46.3**	mg/dL	8.9-115.1
Minerals	**Ca**	↓	**6.49**	mg/dL	8.40-11.16
Minerals	**PHOS**		**3.02**	mg/dL	2.48-8.42
Minerals	**CaxP**		**1.58**	mmol/L^2	
Minerals	**Mg**	↓	**1.50**	mg/dL	1.60-2.96
Electrolytes	**Na+**	↓	**132.4**	mmol/L	141.0-166.0
Electrolytes	**K+**	↓	**3.2**	mmol/L	3.5-5.9
Electrolytes	**Na/K**		**40.9**		
Electrolytes	**Cl-**		**111.0**	mmol/L	104.4-129.0

Operator:

Comprehensive Diagnosis Panel **QC QC Fail**

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

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.

The results only applies to this test sample. Test Instrument:Mindray vetXpert C5 Time of Printing:2026-02-01 11:37:50

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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.
ALP	↓	Increase is commonly associated with fracture healing period, hepatobiliary diseases, hyperthyroidism, and osteosarcoma, etc.
AMY	↓	Increase is commonly associated with gastroenteritis, pancreatitis, pancreatic tumor, etc.
LDH	↑	Increase is commonly associated with hemolysis (especially in canine), post-exercise, liver injury, exertional rhabdomyolysis, white muscle disease, myocardial injury, tumors, etc.
GLU	↑	Increase is commonly associated with diabetes and hypercorticalismus, etc. Reduction is commonly associated with insulin administration, malnutrition, and insulinoma, 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.
Mg	↓	Increase is commonly associated with nephropathy, hypoadrenocorticism, hypocalcemia, and muscle injury, etc. Reduction is commonly associated with gastrointestinal malabsorption, nephropathy, and hyperthyroidism, 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.
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.

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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