



Biochemistry test report

Patient: Kyoto Species: Feline Patient ID: 260314002
 Client: Karla Ubando Gender: Female Sample No.: 0000002
 Doctor: Age: 2Y Time of analysis: 2026/03/14 12:17

Item	Current result	Ref. Ranges
Protein TP ↓ 3.70 g/dL	5.65-8.85	
Protein ALB ↓ 1.84 g/dL	2.20-4.00	
Protein GLOB ↓ 1.86 g/dL	2.82-5.13	
Protein A/G 1.0		
Liver and gallbladder ALT 25.7 U/L	12.0-149.2	
Liver and gallbladder AST 13.4 U/L	0.0-60.0	
Liver and gallbladder AST/ALT 0.52		
Liver and gallbladder ALP ↓ <5.0 U/L	8.7-110.9	
Liver and gallbladder GGT <2.0 U/L	0.0-8.2	
Liver and gallbladder TBIL <0.10 mg/dL	0.00-0.88	
Liver and gallbladder TBA <1.0 μmol/L	0.0-20.0	
Pancreas AMY 594.4 U/L	555.6-1940.0	
Kidneys BUN ↓ 8.48 mg/dL	12.79-32.06	
Kidneys CREA 0.35 mg/dL	0.32-2.03	
Kidneys BUN/CREA 23.8		
Cardiovasc./Muscle CK 275.6 U/L	66.1-530.9	
Cardiovasc./Muscle LDH 124.6 U/L	0.0-334.2	
Energy metabolism GLU ↓ 36.0 mg/dL	61.1-151.2	
Energy metabolism TC ↓ 66.1 mg/dL	72.3-225.8	
Energy metabolism TG 43.9 mg/dL	8.9-115.1	
Minerals Ca ↓ 4.53 mg/dL	8.40-11.16	
Minerals PHOS ↓ 1.36 mg/dL	2.48-8.42	
Minerals CaxP 0.50 mmol/L ²		
Minerals Mg ↓ 0.72 mg/dL	1.60-2.96	
Electrolytes Na+ ↓ <110.0 mmol/L	141.0-166.0	
Electrolytes K+ ↓ <1.0 mmol/L	3.5-5.9	
Electrolytes Na/K ****		
Electrolytes Cl- ↓ <70.0 mmol/L	104.4-129.0	

Operator:

Comprehensive Diagnosis Panel

QC QC OK

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



Report Explain.

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: 2026-03-14 14:22:23



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Client:	Karla Ubando	Gender:	Female	Sample No.:	0000002
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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.
GLOB	↓	Increase is commonly associated with chronic inflammation and infection, and hyperimmunity, etc. Reduction is commonly associated with insufficient protein intake, anemia, and immunodeficiency.
ALP	↓	Increase is commonly associated with fracture healing period, hepatobiliary diseases, hyperthyroidism, and osteosarcoma, 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.
GLU	↓	Increase is commonly associated with diabetes and hypercorticalismus, etc. Reduction is commonly associated with insulin administration, malnutrition, and insulinoma, etc.
TC	↓	Increase is commonly associated with biliary obstruction, hypothyroidism, hypercorticalismus, 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.
PHOS	↓	Increase is commonly associated with nephropathy, bone healing period, and hyperthyroidism. Decreased in hyperparathyroidism, tumor, 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.
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. The results only applies to this test sample.

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Immunoassay test report



Patient:	Kyoto	Species:	Feline	Patient ID:	260314002
Client:	Karla Ubando	Gender:	Female	Sample No.:	0000002
Doctor:		Age:	2Y	Time of analysis:	2026/03/14 12:16

Lab item	Current result	Ref. Ranges
fSDMA	10.4	$\mu\text{g/dL}$ 0.0-14.0

Operator:

Report Explan.

fSDMA

Result indications:

<14.0 ug/dL Normal

14.0-20.0 ug/dL Suspected

>20.0 ug/dL Abnormal

Clinical significance:

fSDMA 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: 2026-03-14 14:22:25



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