Hiko Test report

Patient:	Hiko	Species:	Feline	Patient ID:	2504041
Client:	Julie Ann Miranda	Gender:	Male	Age stage:	Adult

AI Aided Diag. Explan.

It is recommended to add symmetric dimethylarginine (SDMA), urinary protein to creatinine ratio (UPC), urinary specific gravity (SG), and imaging examinations to identify the cause and grading of renal dysfunction, based on clinical manifestations and medical history.

Immunoassay test report

Patient:	Hiko	Species:	Feline	Patient ID:	2504041
Client:	Julie Ann Miranda	Gender:	Male	Sample No.:	0000001
Doctor:		Age stage:	Adult	Time of analysis:	2025/04/04 09:31

Lab item		Current result		Ref. Ranges	
fSDMA	↑	**51.8**	µg/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:2025-05-13 11:10:09

Biochemistry test report

Patient:	Hiko	Species:	Feline	Patient ID:	2504041
Client:	Julie Ann Miranda	Gender:	Male	Sample No.:	0000001
Doctor:		Age stage:	Adult	Time of analysis:	2025/04/04 09:30

	Item		Current result		Ref. Ranges	
Protein	**TP**		**6.93**	g/dL	5.65-8.85	
Protein	**ALB**		**2.28**	g/dL	2.20-4.00	
Protein	**GLOB**		**4.65**	g/dL	2.82-5.13	
Protein	**A/G**		**0.5**			
Liver and gallbladder	**ALT**		**46.7**	U/L	25.8-149.2	
Liver and gallbladder	**AST**		**46.0**	U/L	16.5-60.0	
Liver and gallbladder	**AST/ALT**		**0.98**			
Liver and gallbladder	**ALP**	↓	**5.4**	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	
Pancreas	**AMY**		**816.8**	U/L	555.6-1940.0	
Kidneys	**BUN**	↑	**113.17**	mg/dL	12.79-32.06	
Kidneys	**CREA**	↑	**11.16**	mg/dL	0.51-2.03	
Kidneys	**BUN/CREA**		**10.1**			
Cardiovasc./Muscle	**CK**		**513.9**	U/L	66.1-530.9	
Cardiovasc./Muscle	**LDH**	↑	**401.2**	U/L	60.9-334.2	
Energy metabolism	**GLU**		**123.2**	mg/dL	61.1-151.2	
Energy metabolism	**TC**		**85.1**	mg/dL	72.3-225.8	
Minerals	**Ca**	↓	**<4.00**	mg/dL	8.40-11.16	
Minerals	**PHOS**	↑	**9.93**	mg/dL	3.16-8.42	
Minerals	**CaxP**		****	mmol/L^2		
Electrolytes	**tCO2**	↓	**9.64**	mmol/L	11.10-21.17	
Electrolytes	**Na+**		**160.5**	mmol/L	143.0-166.0	
Electrolytes	**K+**	↑	**>8.5**	mmol/L	3.5-5.9	
Electrolytes	**Na/K**		****			
Electrolytes	**Cl-**		**109.7**	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

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Biochemistry test report

Patient:	Hiko	Species:	Feline	Patient ID:	2504041
Client:	Julie Ann Miranda	Gender:	Male	Sample No.:	0000001
Doctor:		Age stage:	Adult	Time of analysis:	2025/04/04 09:30

Report Explan.

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.
CREA	↑	Increase is commonly associated with nephropathy, etc. Reduction is commonly associated with malnutrition and muscular atrophy, etc.
LDH	↑	Increase is commonly associated with hemolysis (especially in canine), post-exercise, liver injury, exertional rhabdomyolysis, white muscle disease, myocardial injury, tumors, 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.
tCO2	↓	Increase is commonly associated with metabolic alkalosis and respiratory acidosis; Reduction is commonly associated with metabolic acidosis, respiratory alkalosis
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.

The results only applies to this test sample. Test Instrument:Mindray vetXpert C5 Time of Printing:2025-05-13 11:10:11