Biochemistry test report



Patient:	KOKI	Species:	Feline	Patient ID:	2509112
Client:	ARSULA	Gender:	Neutered	Sample No.:	05
Doctor:		Age:	4Y	Time of analysis:	2026/08/17 16:23

	Item		Current result		Ref. Ranges
Protein	**TP**	↑	**103.7**	g/L	56.5-88.5
Protein	**ALB**		**30.2**	g/L	22.0-40.0
Protein	**GLOB**	↑	**73.5**	g/L	28.2-55.8
Protein	**A/G**		**0.4**		
Liver and gallbladder	**ALT**		**68.3**	U/L	12.0-149.2
Liver and gallbladder	**AST**		**38.8**	U/L	0.0-60.0
Liver and gallbladder	**AST/ALT**		**0.57**		
Liver and gallbladder	**ALP**	↓	**7.2**	U/L	8.7-110.9
Liver and gallbladder	**GGT**		**<2.0**	U/L	0.0-8.2
Liver and gallbladder	**TBIL**	↑	**98.52**	μmol/L	0.00-15.00
Liver and gallbladder	**TBA**		**5.8**	μmol/L	0.0-20.0
Pancreas	**AMY**		**1392.5**	U/L	555.6-1940.0
Pancreas	**LIPA-D**	↑	**23.0**	U/L	0.0-20.0
Kidneys	**BUN**	↑	**>65.00**	mmol/L	4.55-13.00
Kidneys	**CREA**	↑	**1273.80**	μmol/L	28.00-180.00
Kidneys	**BUN/CREA**		********		
Cardiovasc./Muscle	**CK**		**113.9**	U/L	40.0-530.9
Cardiovasc./Muscle	**LDH**		**178.1**	U/L	0.0-334.2
Energy metabolism	**GLU**		**6.64**	mmol/L	3.39-8.39
Energy metabolism	**TC**		**2.61**	mmol/L	1.87-5.84
Energy metabolism	**TG**		**1.18**	mmol/L	0.10-1.30
Minerals	**Ca**	↓	**1.77**	mmol/L	1.95-2.79
Minerals	**PHOS**	↑	**5.46**	mmol/L	0.80-2.72
Minerals	**CaxP**		**9.69**	$(mmol/L)^2$	
Minerals	**Mg**	↑	**1.84**	mmol/L	0.66-1.22
Electrolytes	**Na+**		**149.5**	mmol/L	141.0-166.0
Electrolytes	**K+**		**5.4**	mmol/L	3.5-5.9
Electrolytes	**Na/K**		**27.5**		
Electrolytes	**Cl-**	↓	**78.7**	mmol/L	102.4-129.0

LIPA-D: 0.0-20.0 U/L Negative 20.0-30.0 U/L Suspected >30.0 U/L Positive

Operator:

Comprehensive Diagnosis Panel **QC QC Fail**

HEM(Hemolysis degree):	0	LIP(Lipemia degree):	0	ICT(Jaundice degree):	2+

The results only applies to this test sample. Test Instrument:Mindray vetXpert C5 Time of Printing:2026-08-17 16:24:21

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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.
ALP	↓	Increase is commonly associated with fracture healing period, hepatobiliary diseases, hyperthyroidism, and osteosarcoma, etc.
TBIL	↑	Increase is commonly associated with hemolysis and hepatobiliary dysfunction. Reduction is commonly associated with decreased erythropoiesis, etc.
LIPA-D	↑	Increase is commonly associated with pancreatitis, pancreatic tumor, 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.
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.
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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