Biochemistry test report

Patient: DUKE	Species: Canine	Patient ID: 115223
Client: ELDRED COLE	Gender: Male	Sample No.: 03
Doctor:	Age stage: Adult	Time of analysis: 2025/04/29 12:04

	Item	Current result		Ref. Ranges			2025/04/22
Protein	TP	6.04	g/dL	5.31-7.92			6.85
Protein	ALB	2.69	g/dL	2.34-4.00			3.17
Protein	GLOB	3.35	g/dL	2.54-5.20			3.68
Protein	A/G	0.8					0.9
Liver and gallbladder	ALT	↑ 190.1	U/L	10.1-100.3			147.3
Liver and gallbladder	AST	21.2	U/L	0.0-51.7			
Liver and gallbladder	AST/ALT	0.11					
Liver and gallbladder	ALP	45.5	U/L	15.5-212.0			26.8
Liver and gallbladder	GGT	<2.0	U/L	0.0-15.9			<2.0
Liver and gallbladder	TBIL	0.32	mg/dL	0.00-0.88			<0.10
Liver and gallbladder	TBA	<1.0	μmol/L	0.0-30.0			
Pancreas	AMY	1179.9	U/L	397.7-1285.1			1604.1
Kidneys	BUN	↑ 27.53	mg/dL	7.02-27.45			49.66
Kidneys	CREA	0.74	mg/dL	0.23-1.40			0.55
Kidneys	BUN/CREA	37.1					89.1
Cardiovasc./Muscle	CK	113.5	U/L	66.4-257.5			435.9
Cardiovasc./Muscle	LDH	25.6	U/L	0.0-143.6			
Energy metabolism	GLU	108.9	mg/dL	68.5-135.2			116.7
Energy metabolism	TC	203.2	mg/dL	103.2-324.1			212.7
Energy metabolism	TG	↑ 126.7	mg/dL	8.9-115.1			54.8
Minerals	Ca	8.79	mg/dL	8.40-11.88			10.13
Minerals	PHOS	2.62	mg/dL	2.48-6.81			3.32
Minerals	CaxP	1.86	mmol/L^2				2.72
Minerals	Mg	↓ 1.46	mg/dL	1.48-2.58			
Electrolytes	Na+	146.2	mmol/L	138.0-160.0			
Electrolytes	K+	4.9	mmol/L	3.5-5.9			
Electrolytes	Na/K	29.9					
Electrolytes	Cl-	↑ 130.6	mmol/L	102.7-125.0			

Operator:

Comprehensive Diagnosis Panel   QC QC OK

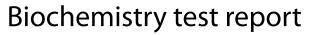HEM(Hemolysis degree):   0   LIP(Lipemia degree):   0   ICT(Jaundice degree):   0

The results only applies to this test sample.   Test Instrument:Mindray vetXpert C5   Time of Printing:2025-04-29 12:10:47

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Patient:	DUKE	Species:	Canine	Patient ID:	115223
Client:	ELDRED COLE	Gender:	Male	Sample No.:	03
Doctor:		Age stage:	Adult	Time of analysis:	2025/04/29 12:04

📄 Report Explan.

ALT	↑	Increase is commonly associated with liver injury and muscle injury, 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.
TG	↑	Increase is commonly associated with postprandial, obesity, diabetes and hypercorticalismus, 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.

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