

Biochemistry test report



Patient:	FRANK	Species:	Canine	Patient ID:	2509291
Client:	MABULAY	Gender:	Male	Sample No.:	03
Doctor:		Age:	7Y	Time of analysis:	2026/05/28 13:32

Item		Current result		Ref. Ranges		2025/09/29
Protein	TP	58.6	g/L	52.0-82.0		71.2
Protein	ALB	↓ 16.6	g/L	21.0-40.0		22.5
Protein	GLOB	41.9	g/L	25.4-52.0		48.8
Protein	A/G	0.4				0.5
Liver and gallbladder	ALT	33.7	U/L	10.1-100.3		24.4
Liver and gallbladder	AST	↑ 81.4	U/L	0.0-51.7		17.1
Liver and gallbladder	AST/ALT	2.41				0.70
Liver and gallbladder	ALP	197.5	U/L	15.5-212.0		71.1
Liver and gallbladder	GGT	3.9	U/L	0.0-15.9		4.8
Liver and gallbladder	TBIL	11.32	μmol/L	0.00-15.00		3.98
Liver and gallbladder	TBA	9.8	μmol/L	0.0-30.0		1.4
Pancreas	AMY	662.0	U/L	397.7-1285.1		794.3
Pancreas	LIPA-D	↑ 135.5	U/L	0.0-100.0		
Kidneys	BUN	4.30	mmol/L	2.50-9.77		3.16
Kidneys	CREA	61.30	μmol/L	20.00-123.70		73.20
Kidneys	BUN/CREA	17.4				10.7
Cardiovasc./Muscle	CK	↑ 629.2	U/L	66.4-257.5		45.8
Cardiovasc./Muscle	LDH	↑ 265.4	U/L	0.0-143.6		58.8
Energy metabolism	GLU	↓ 3.23	mmol/L	3.80-7.50		3.97
Energy metabolism	TC	4.04	mmol/L	2.67-8.38		4.93
Energy metabolism	TG	↑ 1.38	mmol/L	0.10-1.30		0.81
Minerals	Ca	↓ 1.80	mmol/L	2.10-2.97		2.06
Minerals	PHOS	1.01	mmol/L	0.70-2.20		1.06
Minerals	CaxP	1.83	(mmol/L) ²			2.18
Minerals	Mg	0.81	mmol/L	0.53-1.06		0.67
Electrolytes	Na+	↓ 135.2	mmol/L	138.0-160.0		131.8
Electrolytes	K+	4.3	mmol/L	3.5-5.9		4.5
Electrolytes	Na/K	31.2				29.3
Electrolytes	Cl-	103.8	mmol/L	100.7-125.0		107.2

LIPA-D: 0.0-100.0 U/L Negative 100.0-200.0 U/L Suspected >200.0 U/L Positive

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:2026-05-28 13:45:30



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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.
AST	↑	Increase is commonly associated with liver injury and muscle injury, etc.
LIPA-D	↑	Increase is commonly associated with pancreatitis, pancreatic tumor, etc.
CK	↑	Increase is commonly associated with trauma, increased muscle activity (such as tetanus and convulsion), myocarditis, and myocardial infarction, 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 hypercorticism, etc. Reduction is commonly associated with insulin administration, malnutrition, and insulinoma, etc.
TG	↑	Increase is commonly associated with postprandial, obesity, diabetes and hypercorticism, 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.
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.

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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