PARU Test report

▌AI Aided Diag. Explan.

It is recommended to add a blood smear test to evaluate white blood cell morphology, as well as tests of liver and kidney panels, electrolytes, protein level, and inflammatory markers (such as cCRP and fSAA) to assess overall health status or inflammation level, based on clinical manifestations and medical history.

Biochemistry test report

Patient:	PARU	Species:	Canine	Patient ID:	250617100
Client:	TABOCLAON	Gender:	Male	Sample No.:	07
Doctor:		Age:	7Y	Time of analysis:	2025/06/21 13:43

	Item		Current result		Ref. Ranges			2025/06/17
Protein	TP	↑	79.3	g/L	53.1-79.2			<5.0
Protein	ALB		23.6	g/L	23.4-40.0			<5.0
Protein	GLOB	↑	55.7	g/L	25.4-52.0			****
Protein	A/G		0.4					****
Liver and gallbladder	ALT		29.1	U/L	10.1-100.3			<5.0
Liver and gallbladder	ALP	↑	232.0	U/L	15.5-212.0			17.9
Kidneys	BUN		3.33	mmol/L	2.50-9.77			<0.60
Kidneys	CREA		49.00	μmol/L	20.00-123.70			<18.00
Kidneys	BUN/CREA		16.8					****
Energy metabolism	GLU	↓	1.46	mmol/L	3.80-7.50			<0.50

Operator:

Preanesthetic Evaluation Panel   QC QC OK

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

📄 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.
GLU	↓	Increase is commonly associated with diabetes and hypercorticalismus, etc. Reduction is commonly associated with insulin administration, malnutrition, and insulinoma, 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:2025-06-23 11:31:33

Hematology Analysis Report

Patient:	PARU	Species:	Canine	Patient ID:	250617100
Client:	TABOCLAON	Gender:	Male	Sample No.:	07
Doctor:		Age:	7Years	Time of analysis:	2025/06/21 13:25

	Para.		Current result		Ref. Ranges		2025/06/17
WBC Para.	WBC	H	**43.96**	10^9/L	5.32-16.92		**15.35**
	Neu#	H	**40.71**	10^9/L	3.05-12.10		**13.74**
	Lym#	L	**0.57**	10^9/L	0.70-4.95		**0.38**
	Mon#	H	**2.24**	10^9/L	0.20-1.38		**1.11**
	Eos#		**0.44**	10^9/L	0.04-1.28		**0.11**
	Bas#		**0.00**	10^9/L	0.00-0.13		**0.02**
	Neu%	H	**0.926**		0.420-0.840		**0.895**
	Lym%	L	**0.013**		0.060-0.400		**0.025**
	Mon%		**0.051**		0.025-0.120		**0.072**
	Eos%		**0.010**		0.003-0.110		**0.007**
	Bas%		**0.000**		0.000-0.010		**0.001**
RBC Para.	RBC		**5.88**	10^12/L	5.20-8.69		**5.92**
	HGB		**131**	g/L	115-201		**136**
	HCT		**0.405**		0.350-0.600		**0.392**
	MCV		**68.8**	fL	60.0-77.5		**66.3**
	MCH		**22.3**	pg	20.0-27.0		**22.9**
	MCHC		**323**	g/L	300-380		**347**
	RDW-CV		**0.144**		0.113-0.189		**0.141**
	RDW-SD		**37.1**	fL	29.1-55.1		**35.1**
PLT Para.	PLT		**278**	10^9/L	140-520		**281**
	MPV		**10.9**	fL	7.6-16.1		**8.5**
	PDW		**16.4**		13.8-17.9		**16.2**
	PCT		**3.04**	mL/L	1.20-7.00		**2.40**
	P-LCC		**79**	10^9/L	25-180		**40**
	P-LCR		**0.284**		0.100-0.570		**0.144**
	IPF		**3.5**	%	0.4-17.1		**2.4**
RET Para.	RET#		**25.9**	10^9/L	9.0-115.0		**12.4**
	RET%		**0.44**	%	0.16-1.95		**0.21**
	IRF		**9.3**	%	0.0-45.1		**8.2**
	LFR		**90.7**	%	56.0-100.0		**91.8**
	MFR		**8.3**	%	0.0-26.0		**8.2**
	HFR		**1.0**	%	0.0-22.0		**0.0**
	RHE		**23.0**	pg	20.0-28.3		**21.6**

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Hematology Analysis Report

Patient:	PARU	Species:	Canine	Patient ID:	250617100
Client:	TABOCLAON	Gender:	Male	Sample No.:	07
Doctor:		Age:	7Years	Time of analysis:	2025/06/21 13:25

Operator:

RET Scattergram	RET-EXT Scattergram	PLT Scattergram

■ Mature red blood cell	■ Low fluorescent reticulocyte	■ Middle fluorescent reticulocyte	■ High fluorescent reticulocyte	■ Mature platelet	■ Immature platelet

WBC Scattergram	RBC Histogram	PLT Histogram

■ Lymphocyte ■ Monocyte ■ Neutrophil

■ Eosinophil

Diagnosis implications:

Leucocytosis **Neutrophilia** **Monocytosis**

Band cell suspected

📄 Report Explan.

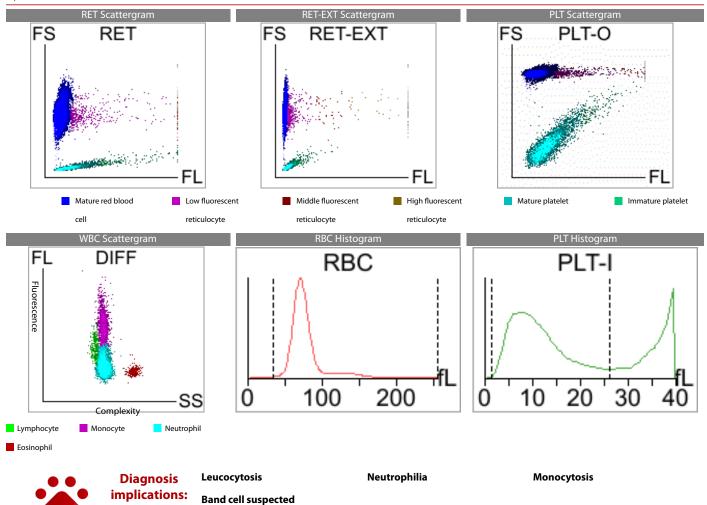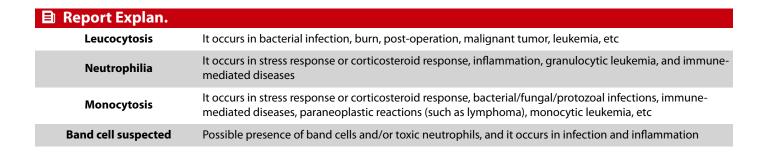|	
Leucocytosis	It occurs in bacterial infection, burn, post-operation, malignant tumor, leukemia, etc
Neutrophilia	It occurs in stress response or corticosteroid response, inflammation, granulocytic leukemia, and immune-mediated diseases
Monocytosis	It occurs in stress response or corticosteroid response, bacterial/fungal/protozoal infections, immune-mediated diseases, paraneoplastic reactions (such as lymphoma), monocytic leukemia, etc
Band cell suspected	Possible presence of band cells and/or toxic neutrophils, and it occurs in infection and inflammation

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