SAM Test report

Patient:	SAM	Species:	Canine	Patient ID:	251008256
Client:	SHINOZAKI	Gender:	Male	Age:	13Years

AI Aided Diag. Explan.

Please evaluate the severity of anemia based on clinical manifestations and medical history. It is recommended to add an RET test and a blood smear test to assess white blood cell and red blood cell morphology. At the same time, tests of liver and kidney panels, electrolytes, and protein level should be added to assess overall health status and potential metabolic abnormalities. If necessary, screening for infectious diseases such as feline leukemia virus, feline immunodeficiency virus, canine distemper virus, babesiosis, etc. should be carried out based on clinical symptoms and regional characteristics.

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.

Hematology Analysis Report

Patient:	SAM	Species:	Canine	Patient ID:	251008256
Client:	SHINOZAKI	Gender:	Male	Sample No.:	23
Doctor:	JUL ARDIELLE CORNELL	Age:	13Years	Time of analysis:	2025/10/16 21:22

	Para.		Current result		Ref. Ranges	2025/10/14
WBC Para.	WBC	H	73.23	10^9/L	5.32-16.92	64.04
	Neu#	H	67.23	10^9/L	3.05-12.10	59.17
	Lym#		3.15	10^9/L	0.70-4.95	2.18
	Mon#	H	1.83	10^9/L	0.20-1.38	1.54
	Eos#		0.95	10^9/L	0.04-1.28	1.09
	Bas#		0.07	10^9/L	0.00-0.13	0.06
	Neu%	H	0.918		0.420-0.840	0.924
	Lym%	L	0.043		0.060-0.400	0.034
	Mon%		0.025		0.025-0.120	0.024
	Eos%		0.013		0.003-0.110	0.017
	Bas%		0.001		0.000-0.010	0.001
RBC Para.	RBC	L	3.36	10^12/L	5.20-8.69	3.55
	HGB	L	83	g/L	115-201	88
	HCT	L	0.244		0.350-0.600	0.257
	MCV		72.6	fL	60.0-77.5	72.5
	MCH		24.6	pg	20.0-27.0	24.7
	MCHC		340	g/L	300-380	342
	RDW-CV		0.134		0.113-0.189	0.134
	RDW-SD		36.3	fL	29.1-55.1	36.8
PLT Para.	PLT		344	10^9/L	140-520	316
	MPV		12.6	fL	7.6-16.1	9.7
	PDW		17.8		13.8-17.9	16.7
	PCT		4.32	mL/L	1.20-7.00	3.05
	P-LCC		133	10^9/L	25-180	63
	P-LCR		0.388		0.100-0.570	0.198
	IPF		8.4	%	0.4-17.1	8.0
RET Para.	RET#	H	162.6	10^9/L	9.0-115.0	73.5
	RET%	H	4.84	%	0.16-1.95	2.07
	IRF		41.8	%	0.0-45.1	26.9
	LFR		58.2	%	56.0-100.0	73.1
	MFR		22.5	%	0.0-26.0	17.5
	HFR		19.3	%	0.0-22.0	9.4
	RHE		24.2	pg	20.0-28.3	23.6

The results only applies to this test sample.

Test Instrument:Mindray BC-60R Vet

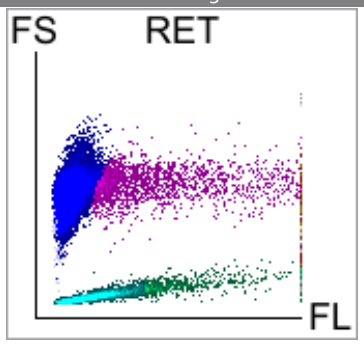
Time of Printing:2025-11-08 12:14:35

Hematology Analysis Report

Patient:	SAM	Species:	Canine	Patient ID:	251008256
Client:	SHINOZAKI	Gender:	Male	Sample No.:	23
Doctor:	JUL ARDIELLE CORNELL	Age:	13Years	Time of analysis:	2025/10/16 21:22

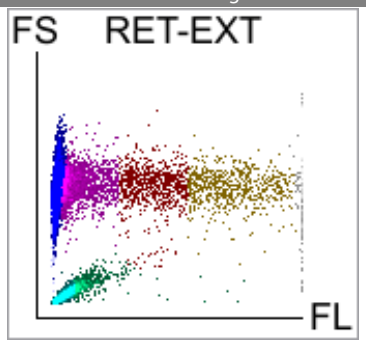
Operator:

RET Scattergram



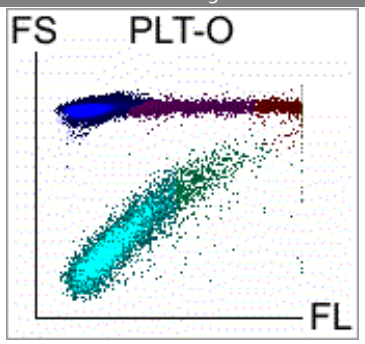
Mature red blood cell | Low fluorescent reticulocyte

RET-EXT Scattergram



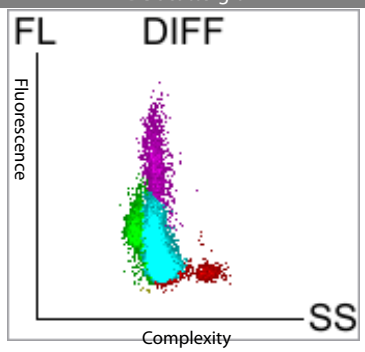
Middle fluorescent reticulocyte | High fluorescent reticulocyte

PLT Scattergram



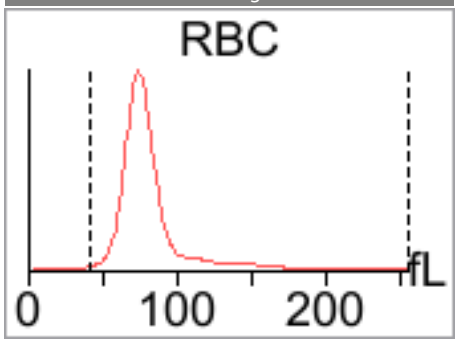
Mature platelet | Immature platelet

WBC Scattergram

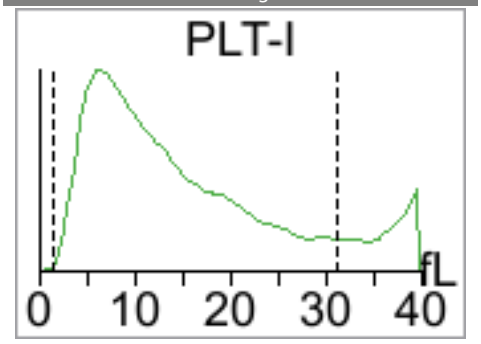


Lymphocyte | Monocyte | Neutrophil | Eosinophil

RBC Histogram



PLT Histogram



Diagnosis implications:

Anemia | **Leucocytosis** | **Neutrophilia** | **Band cell suspected** | **PLT Clump**

Report Explan.

Anemia	It occurs in anemia caused by various reasons, such as insufficient hematopoietic materials, hematopoietic dysfunction, excessive destruction of RBC, or blood loss
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
Band cell suspected	Possible presence of band cells and/or toxic neutrophils, and it occurs in infection and inflammation
PLT Clump	Possible presence of PLT clump, and it occurs in difficult blood collection, anticoagulant-dependent thrombocytopenia

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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