NANNAH Test report

Patient:	NANNAH	Species:	Canine	Patient ID:	2505261
Client:	NACARIO	Gender:	Female	Age:	14Years

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.

It is recommended to add symmetric dimethylarginine (SDMA), urinary protein to creatinine ratio (UPC), urinary specific gravity (SG), and imaging examinations to identify the cause and grading of renal dysfunction, based on clinical manifestations and medical history.

Hematology Analysis Report

Patient:	NANNAH	Species:	Canine	Patient ID:	2505261
Client:	NACARIO	Gender:	Female	Sample No.:	04
Doctor:		Age:	14Years	Time of analysis:	2025/06/21 15:49

	Para.		Current result		Ref. Ranges	2025/06/18
WBC Para.	WBC	H	28.47	10^9/L	5.32-16.92	16.60
	Neu#	H	27.62	10^9/L	3.05-12.10	15.24
	Lym#	L	0.43	10^9/L	0.70-4.95	0.83
	Mon#		0.34	10^9/L	0.20-1.38	0.20
	Eos#		0.06	10^9/L	0.04-1.28	0.33
	Bas#		0.03	10^9/L	0.00-0.13	0.00
	Neu%	H	0.970		0.420-0.840	0.918
	Lym%	L	0.015		0.060-0.400	0.050
	Mon%	L	0.012		0.025-0.120	0.012
	Eos%	L	0.002		0.003-0.110	0.020
	Bas%		0.001		0.000-0.010	0.000
RBC Para.	RBC	L	3.16	10^12/L	5.20-8.69	4.38
	HGB	L	74	g/L	115-201	102
	HCT	L	0.232		0.350-0.600	0.314
	MCV		73.5	fL	60.0-77.5	71.8
	MCH		23.4	pg	20.0-27.0	23.3
	MCHC		319	g/L	300-380	325
	RDW-CV		0.148		0.113-0.189	0.145
	RDW-SD		41.7	fL	29.1-55.1	39.7
PLT Para.	PLT		422	10^9/L	140-520	393
	MPV	L	7.4	fL	7.6-16.1	8.7
	PDW		15.5		13.8-17.9	16.4
	PCT		3.12	mL/L	1.20-7.00	3.44
	P-LCC		31	10^9/L	25-180	63
	P-LCR	L	0.074		0.100-0.570	0.161
	IPF		1.3	%	0.4-17.1	1.0
RET Para.	RET#		61.9	10^9/L	9.0-115.0	46.4
	RET%	H	1.96	%	0.16-1.95	1.06
	IRF		0.2	%	0.0-45.1	1.0
	LFR		99.8	%	56.0-100.0	99.0
	MFR		0.2	%	0.0-26.0	1.0
	HFR		0.0	%	0.0-22.0	0.0
	RHE		21.9	pg	20.0-28.3	22.0

The results only applies to this test sample.

Test Instrument:Mindray BC-60R Vet

Time of Printing:2025-06-23 10:48:18

Hematology Analysis Report

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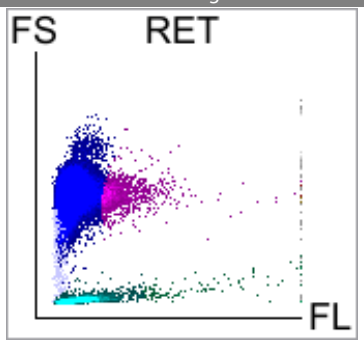
Client:	NACARIO	Gender:	Female	Sample No.:	04
Doctor:		Age:	14Years	Time of analysis:	2025/06/21 15:49

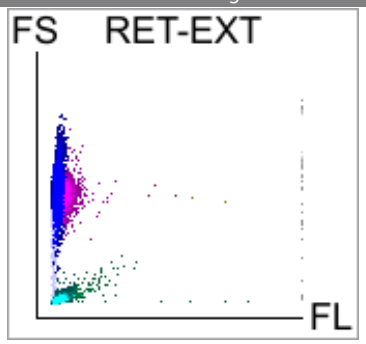
Operator:

RET Scattergram



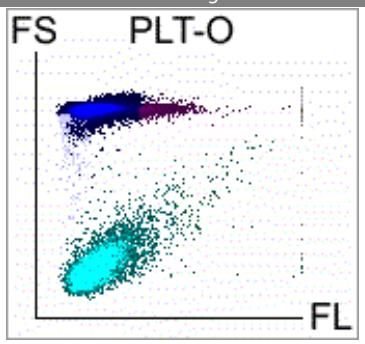
Mature red blood cell | Low fluorescent reticulocyte

RET-EXT Scattergram



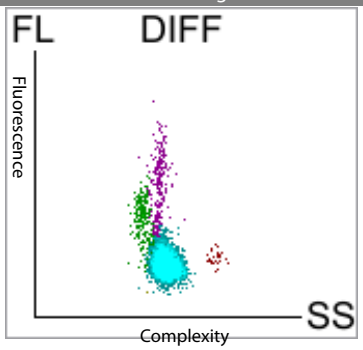
Middle fluorescent reticulocyte | High fluorescent reticulocyte

PLT Scattergram



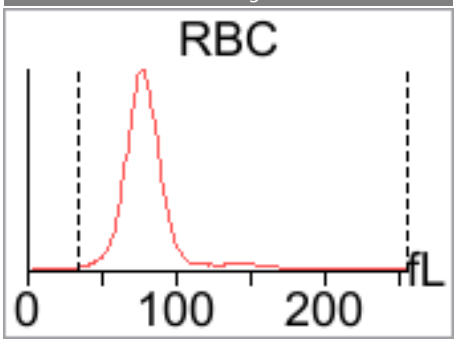
Mature platelet | Immature platelet

WBC Scattergram

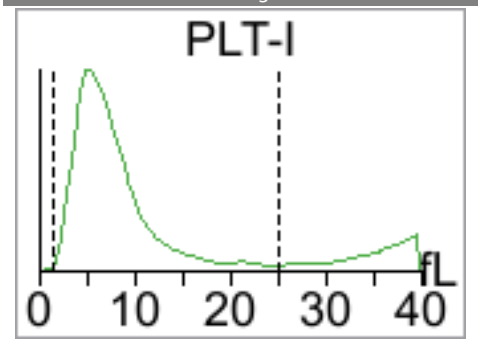


Lymphocyte | Monocyte | Neutrophil | Eosinophil

RBC Histogram



PLT Histogram



Diagnosis implications:

Anemia | **Leucocytosis** | **Neutrophilia** | **Lymphopenia** | **Band cell suspected**

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
Lymphopenia	It occurs in stress response or corticosteroid response, viral diseases (such as parvovirus), drug treatment (such as chemotherapy drugs and long-term use of corticosteroid), and lymphoid fluid loss (chylothorax and lymphangiectasia)
Band cell suspected	Possible presence of band cells and/or toxic neutrophils, and it occurs in infection and inflammation

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Hematology Analysis Report

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Client:	NACARIO	Gender:	Female	Sample No.:	04
Doctor:		Age:	14Years	Time of analysis:	2025/06/21 15:49

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 BC-60R Vet Time of Printing:2025-06-23 10:48:18

Biochemistry test report

Patient:	NANNAH	Species:	Canine	Patient ID:	2505261
Client:	NACARIO	Gender:	Female	Sample No.:	04
Doctor:		Age:	Elderly 14Y	Time of analysis:	2025/06/21 13:55

	Item		Current result		Ref. Ranges		2025/06/11
Kidneys	**BUN**	↑	**42.79**	mmol/L	2.50-9.77		**41.23**
Kidneys	**CREA**	↑	**313.20**	μmol/L	20.00-123.70		**476.80**
Kidneys	**BUN/CREA**		**33.8**				**21.4**
Energy metabolism	**GLU**		**5.19**	mmol/L	3.80-7.50		**4.53**
Minerals	**Ca**		**2.55**	mmol/L	2.10-2.97		**1.82**
Minerals	**PHOS**	↑	**3.13**	mmol/L	0.80-2.20		**2.89**
Minerals	**CaxP**		**7.98**	mmol/L^2			**5.26**
Minerals	**Mg**		**0.88**	mmol/L	0.61-1.06		**0.81**
Electrolytes	**tCO2**		**24.30**	mmol/L	13.14-25.13		**22.36**
Electrolytes	**Na+**		**151.1**	mmol/L	138.0-160.0		**139.5**
Electrolytes	**K+**		**5.6**	mmol/L	3.5-5.9		**3.9**
Electrolytes	**Na/K**		**26.8**				**35.3**
Electrolytes	**Cl-**	↑	**134.0**	mmol/L	102.7-125.0		**117.8**

Operator:

Electrolyte Panel **QC QC OK**

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

Report Explan.

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.
PHOS ↑	Increase is commonly associated with nephropathy, bone healing period, and hyperthyroidism. Decreased in hyperparathyroidism, tumor, 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.

The results only applies to this test sample. Test Instrument:Mindray vetXpert C5 Time of Printing:2025-06-23 10:48:21