

Blood analysis report

Contact number: Hospital address:

Report number:2512250001

Pet nickname:1224_1

Pet Age:1 Year

Medical No.:

Pet Type:Canine

Sample Type:WB

Test time:2025.12.25 04:46:21

Pet Gender:Male

Owner's name:

	Parameters	Result	Ref. Range	Low	Normal	High
01.	WBC	15.73 10^9/L	5.05-16.76			
	NEU#	10.53 10^9/L	2.95-11.64			
	NST#	0.26 10^9/L	0.00-0.80			
	NSG#	10.22 10^9/L	2.50-11.30			
	NSH#	0.05 10^9/L	0.00-0.40			
	LYM#	3.98 10^9/L	1.05-5.10			
	MON#	1.16 10^9/L	0.16-1.12			
	EOS#	0.06 10^9/L	0.06-1.23			
	BAS#	0.00 10^9/L	0.00-0.10			
	NEU%	66.95 %	52.00-78.00			
	NST/WBC%	1.68 %	0.00-10.00			
	NST/NEU%	2.51 %	0.00-20.00			
	NSG%	64.96 %	50.00-75.00			
	NSH/WBC%	0.31 %	0.00-5.00			
	NSH/NEU%	0.46 %	0.00-7.00			
	LYM%	25.33 %	16.00-41.50			
	MON%	7.35 %	1.00-13.00			
	EOS%	0.38 %	0.50-11.85			
	BAS%	0.00 %	0.00-0.90			
	02.	RBC	7.25 10^12/L	5.65-8.87		
HGB		177.00 g/L	131.00-205.00			
HCT		48.69 %	37.30-61.70			
MCV		67.15 fL	61.60-73.50			
MCH		24.41 pg	21.20-25.90			
MCHC		363.53 g/L	320.00-379.00			
RDW-CV		11.84 %	11.20-17.10			
RDW-SD		26.66 fL	25.60-41.60			
HDW-CV		13.69 %	7.00-20.00			
HDW-SD		3.34 g/L	2.00-8.00			

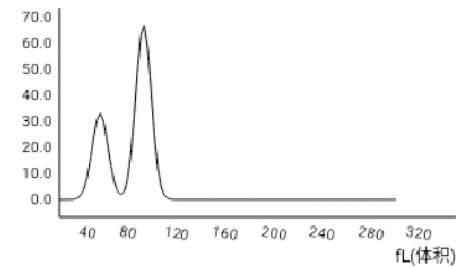
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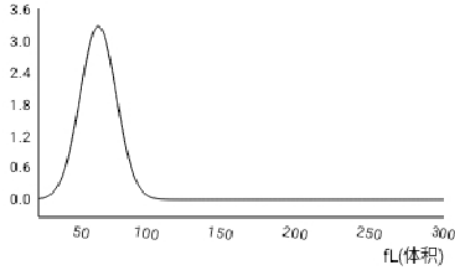
Report number:2512250001	Pet nickname:1224_1	Pet Type:Canine
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Parameters	Result	Ref. Range	Low	Normal	High
RET#	68.25 10^9/L	3.00-110.00			
RET%	0.94 %	0.00-1.50			
ETG#	0.00 10^12/L	0.00-0.05			
ETG%	0.00 %	0.00-1.65			
SPH#	0.00 10^9/L	0.00-130.10			
SPH%	0.00 %	0.00-1.54			
03. PLT	68.61 10^9/L	148.00-484.00			
MPV	11.03 fL	8.70-13.20			
PDW	13.26 fL	9.10-19.40			
PCT	0.08 %	0.14-0.46			
APLT#	0.00 10^9/L	0.00-0.15			
P-LCC	4.12 10^9/L	0.00-66.00			
P-LCR	6.00 %	0.00-25.00			

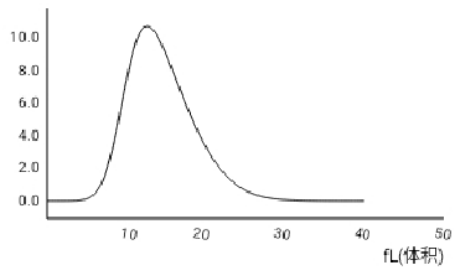
WBC histogram



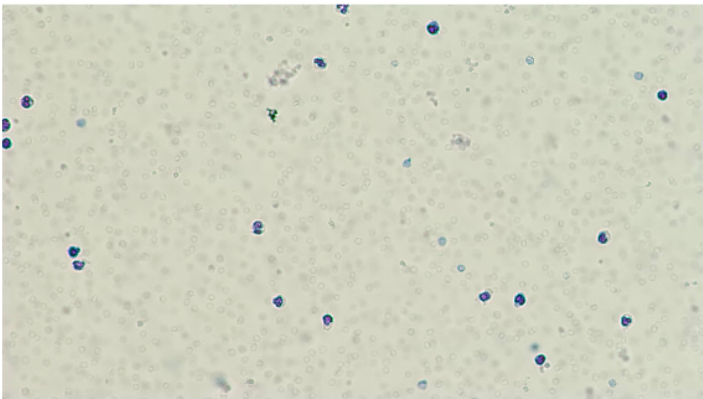
RBC curve



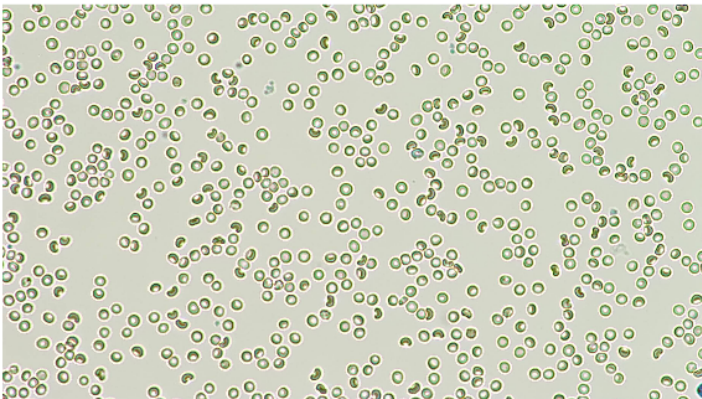
Platelet histogram



White blood cell distribution graph (WBC)



Red blood cell and platelet distribution graph (RBC&PLT)



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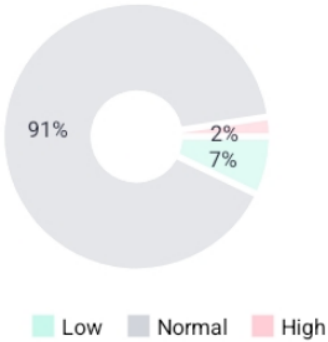
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Monocytosis

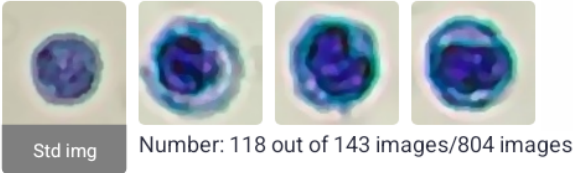
Monocytosis

criterion:Increased monocytes are commonly seen in chronic infections or inflammatory responses, such as parasitic diseases or chronic bacterial infections, accompanied by non-specific symptoms such as fever and weight loss.

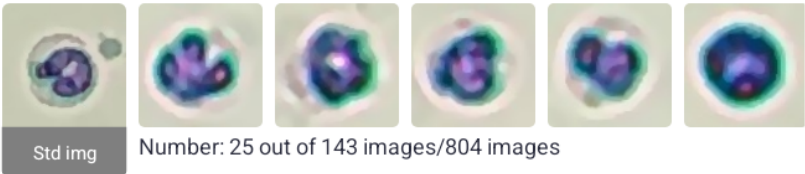


MON# 1.16 (0.16-1.12)

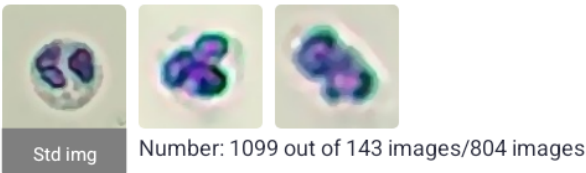
-Clinical indication:Monocytosis indicates chronic inflammation or infection
-Basis for judgment:Monocytosis is common in chronic inflammation, parasitic infections, or certain neoplastic diseases, especially in dogs associated with chronic infections.



NST# 0.26 (0.00-0.80)



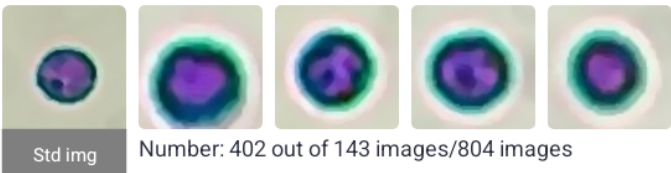
NSG# 10.22 (2.50-11.30)



NSH# 0.05 (0.00-0.40)



LYM# 3.98 (1.05-5.10)



Blood analysis report

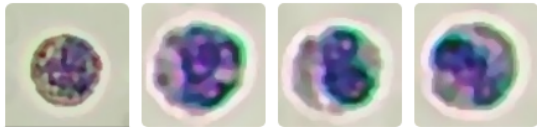
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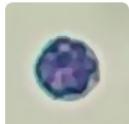
EOS# 0.06 (0.06-1.23)



Std img

Number: 5 out of 143 images/804 images

BAS# 0.00 (0.00-0.10)



Std img

RET% 0.94 (0.00-1.50)



Std img

Number: 688 out of 143 images/804 images

ETG# 0.00 (0.00-0.05)



Std img

Number: 7 out of 36 images/804 images

SPH# 0.00 (0.00-130.10)



Std img

P-LCC 4.12 (0.00-66.00)



Std img

Number: 431 out of 625 images/804 images

Possible conditions and reasoning

Chronic Infection (e.g. Heartworm Disease) **High**

An increase in monocytes is a typical hematological manifestation of chronic parasitic infection, especially seen in canine dirofilariasis.

Tuberculosis **Medium**

Monocytosis can be seen in chronic granulomatous inflammation such as tuberculosis, but confirmation requires imaging and microbiological diagnosis.

Certain lymphoproliferative diseases **Low**

Persistent monocyte elevation may also indicate myeloid dysplastic proliferation, such as monocytic leukemia, but further differentiation is required.

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[1]Boden,E., Andrews,A. (2015). Diccionario veterinario negro (22nd edición). Londres: bloomsbury press.

[2]Latimer,K.S. (2011). Duncan & plath veterinary laboratory medicine: clinical pathology (5th edición). Ames, iowa: willie-blackwell press.

[3]Merck manual veterinario (2025). Hematología clínica - patología clínica y procesos operativos.

[4]Weiss,D.J. y Wardrop,K.J. (2010). Hematología veterinaria en shalm (6th edición). Ames, iowa: willie-blackwell press.