

Test Report of Hematology Analysis

Hospital Address: Contact number:

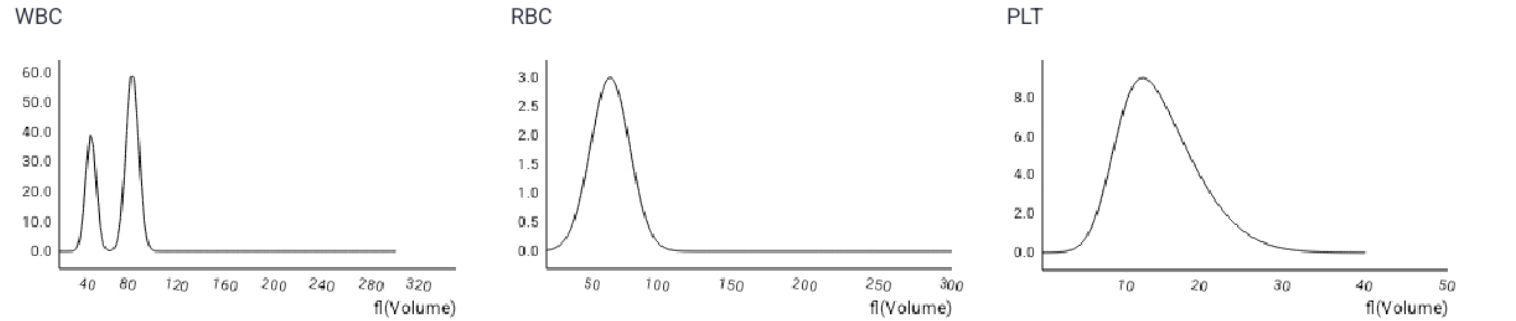
Report No.:2605090009	Medical No.:	Test Time:2026.05.09 19:17:29
Pet Name:dog agg	Pet type:Canine	Gender:Male
Age: Year	Sample Type:Whole blood	Owner:

Parameters	Result	Reference range	Low	Normal	High
01. WBC (White blood cell count)	12.05 10^9/L	5.05-16.76			
NEU# (Neutrophil count)	7.27 10^9/L	2.95-11.64			
NST# (Band neutrophil count)	0.06 10^9/L	0.00-0.80			
NSG# (Segmented neutrophil count)	7.15 10^9/L	2.50-11.30			
NSH# (Hypersegmented neutrophil count)	0.06 10^9/L	0.00-0.40			
LYM# (Lymphocyte count)	2.99 10^9/L	1.05-5.10			
SLYM# (Small lymphocyte count)	2.99 10^9/L	1.05-5.10			
LLYM# (Large lymphocyte count)	0.00 10^9/L	0.00-0.00			
MON# (Monocyte count)	0.48 10^9/L	0.16-1.12			
EOS# (Eosinophil count)	1.25 10^9/L↑	0.06-1.23			
BAS# (Basophil count)	0.06 10^9/L	0.00-0.10			
NEU% (Neutrophil ratio)	60.34 %	52.00-78.00			
NST/WBC% (Band neutrophil ratio)	0.50 %	0.00-10.00			
NST/NEU% (Band neutrophil ratio)	0.83 %	0.00-20.00			
NSG% (Segmented neutrophil ratio)	59.34 %	50.00-75.00			
NSH/WBC% (Hypersegmented neutrophil ratio)	0.50 %	0.00-5.00			
NSH/NEU% (Hypersegmented neutrophil ratio)	0.83 %	0.00-7.00			
LYM% (Lymphocyte ratio)	24.78 %	16.00-41.50			
MON% (Monocyte ratio)	4.00 %	1.00-13.00			
EOS% (Eosinophil ratio)	10.39 %	0.50-11.85			
BAS% (Basophil ratio)	0.50 %	0.00-0.90			
02. RBC (Red blood cell count)	5.88 10^12/L	5.65-8.87			
HGB (Hemoglobin concentration)	135.81 g/L	131.00-205.00			
HCT (Hematocrit)	40.19 %	37.30-61.70			
MCV (Mean red cell volume)	68.36 fL	61.60-73.50			
MCH (Mean Hb per RBC)	23.10 pg	21.20-25.90			
MCHC (Mean Hb conc in RBC)	337.93 g/L	320.00-379.00			
RDW-CV (RBC dist width-CV)	11.47 %	11.20-17.10			
RDW-SD (RBC dist width-SD)	27.41 fL	25.60-41.60			
HDW-CV (Hb dist width-CV)	16.24 %	7.00-20.00			
HDW-SD (Hb dist width-SD)	3.75 g/L	2.00-8.00			
RET# (Reticulocyte count)	105.69 10^9/L	3.00-110.00			
RET% (Reticulocyte ratio)	1.80 %↑	0.00-1.50			
ETG# (Shadow red cell count)	0.00 10^12/L	0.00-0.05			
ETG% (Shadow red cell ratio)	0.00 %	0.00-1.65			
SPH# (Spherocyte count)	0.00 10^9/L	0.00-130.10			
SPH% (Spherocyte ratio)	0.00 %	0.00-1.54			
ACA# (Acanthocyte count)	0.42 10^9/L↑	0.00-0.00			
NRBC# (Nucleated red cell count)	0.00 10^9/L	0.00-0.00			
NRBC/WBC% (Nucleated red cell ratio)	0.00 %	0.00-0.00			
AGG# (Agglutinated red cell count)	74.16 10^9/L↑	0.00-0.15			
03. PLT (Platelet count)	333.63 10^9/L	148.00-484.00			
MPV (Mean platelet volume)	10.24 fL	8.70-13.20			
PDW (Platelet distribution width)	17.11 fL	9.10-19.40			
PCT (Plateletcrit)	0.34 %	0.14-0.46			
APLT# (Aggregated platelet count)	0.00 10^9/L	0.00-0.15			
P-LCC (Large platelet count)	20.02 10^9/L	0.00-66.00			
P-LCR (Large platelet ratio)	6.00 %	0.00-25.00			

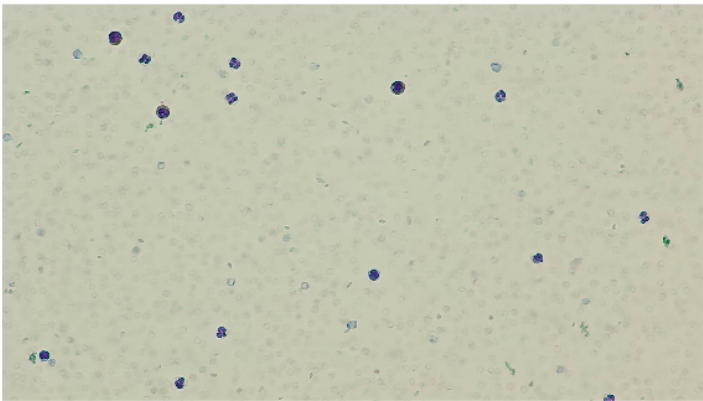
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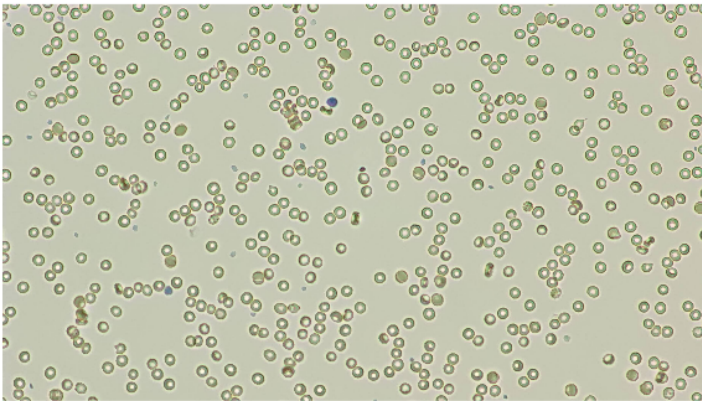
Report No.:2605090009	Pet Name:dog agg	Pet type:Canine
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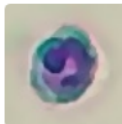
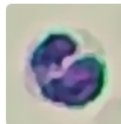
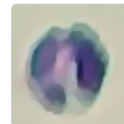
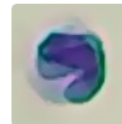
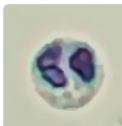
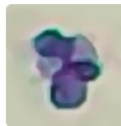
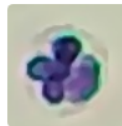
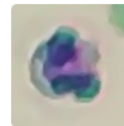
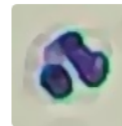
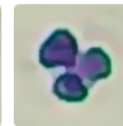
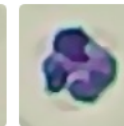
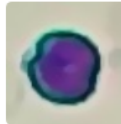
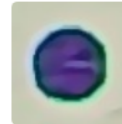
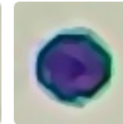
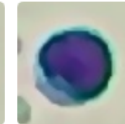
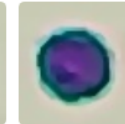
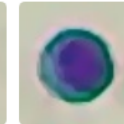


WBC images



RBC&PLT images



NST#	0.06 10^9/L											
STD image	Number: 7 sheets/143 images/754 images											
NSG#	7.15 10^9/L											
STD image	Number: 738 sheets/143 images/754 images											
NSH#	0.06 10^9/L											
STD image	Number: 6 sheets/143 images/754 images											
SLYM#	2.99 10^9/L											
STD image	Number: 304 sheets/143 images/754 images											

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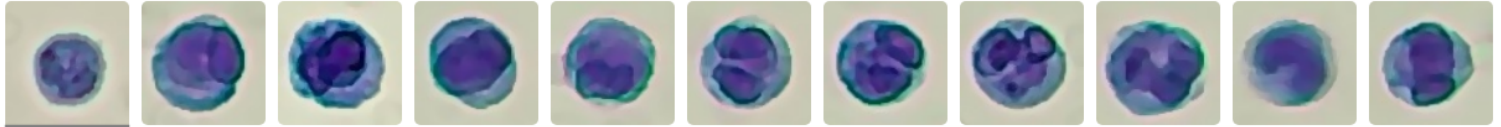
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Report No.:2605090009

Pet Name:dog agg

Pet type:Canine

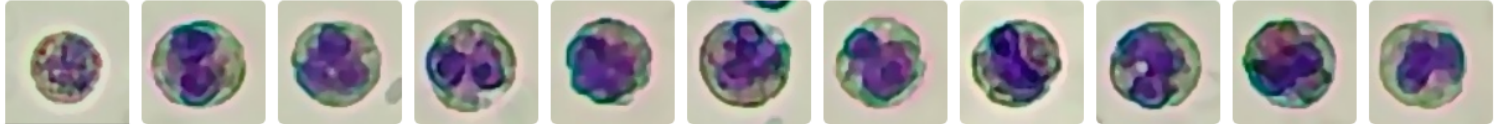
MON# 0.48 10⁹/L



STD image

Number: 58 sheets/143 images/754 images

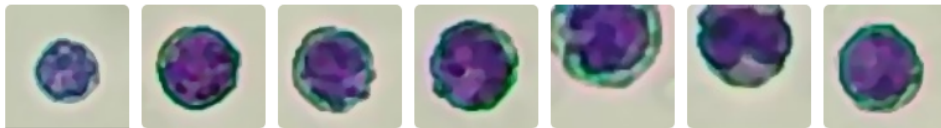
EOS# 1.25 10⁹/L



STD image

Number: 135 sheets/143 images/754 images

BAS# 0.06 10⁹/L



STD image

Number: 6 sheets/143 images/754 images

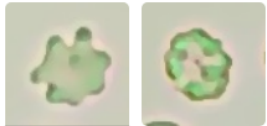
RET# 105.69 10⁹/L



STD image

Number: 980 sheets/143 images/754 images

ACA# 0.42 10⁹/L



STD image

Number: 1 sheets/36 images/754 images

AGG# 74.16 10⁹/L



STD image

Number: 249 sheets/36 images/754 images

P-LCC 20.02 10⁹/L



STD image

Number: 1083 sheets/575 images/754 images

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Hospital Address: Contact number:

Report No.:2605090009

Pet Name:dog agg

Pet type:Canine

1.Eosinophilia

Basis for judgment:Elevated eosinophils suggest parasitic infection or allergic reaction, commonly seen in helminth infections or atopic dermatitis, accompanied by itching or gastrointestinal symptoms.

2.Bone Marrow Compensatory Hyperplasia

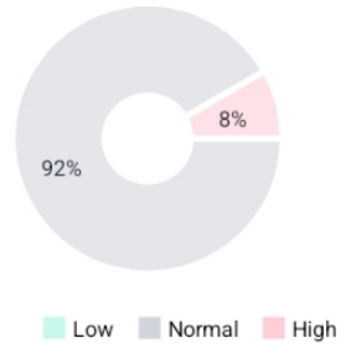
Basis for judgment:Elevated Reticulocytes reflect bone marrow compensatory hyperplasia, common in Hemolytic Anemia or the recovery phase after blood loss. Within Normal Range RBC parameters suggest no obvious anemia or RBC morphological abnormalities.

3.Possible changes related to organ dysfunction.

Basis for judgment:Acanthocytes are common in lipid metabolism abnormalities, often associated with liver disease or chronic illness, but have limited specificity.

4.Possible immune or non-immune mediated agglutination

Basis for judgment:RBC agglutination may be antibody-mediated, cold agglutination, or sampling_ID__ID__ID 3 related; microscopic confirmation is mandatory



EOS# 1.25 10⁹/L ↑ (0.06-1.23)

-Clinical indication:Increased possibility of parasitic infection, allergic reaction, skin disease, or inflammatory response, etc.

-Basis for judgment:Eosinophilia is common in parasitic infections (e. g. , flukes, intestinal parasites), allergic diseases (urticaria, such as atopic dermatitis), tumors, leukemia, hypereosinophilic syndrome, and certain chronic inflammatory states

RET% 1.80 % ↑ (0.00-1.50)

-Clinical indication:Elevation indicates that the bone marrow is accelerating RBC production to compensate for the loss or destruction of peripheral RBCs.

-Basis for judgment:1. Compensatory elevation (accompanied by anemia, HGB↓, HCT↓): Hemolytic Anemia, hemorrhagic anemia: Most common, massive loss/destruction of peripheral RBCs, compensatory hematopoiesis in bone marrow, significantly elevated Reticulocyte Percentage, suggesting Within Normal Range bone marrow hematopoietic function; 2. Relative elevation (without anemia, HGB, HCT Within Normal Range): Rare, due to a slight decrease in peripheral mature RBC count (e. g. , after dehydration correction, anemia recovery phase, drug/hormone stimulation), Reticulocyte Percentage is relatively Elevated without bone marrow hyperfunction.

ACA# 0.42 10⁹/L ↑ (0.00-0.00)

-Clinical indication:Suggests abnormal erythrocyte membrane lipids (non-specific, requires liver/kidney function correlation).

-Basis for judgment:Increased acanthocytes suggest abnormal membrane lipid composition, often related to metabolism or organ function.

AGG# 74.16 10⁹/L ↑ (0.00-0.15)

-Clinical indication:Suggests RBC agglutination (requires microscopic confirmation and exclusion of in vitro factors)

-Basis for judgment:Elevated RBC aggregation count; confirm via blood smear and saline dispersion test

Possible diseases and basis for inference

Parasitic infection (e. g. , roundworms, hookworms) High

Elevated EOS# directly suggests parasitic infection, the most common cause [4]

Acute Hemolytic Anemia High

Significant elevation of RET% is a typical manifestation of bone marrow compensation after Hemolysis; other Within Normal Range RBC parameters support early or compensatory stages.

Liver disease High

Lipid metabolism disorders affect erythrocyte membrane structure.

[1]Boden,E. Andrews,A. (2015). The Black Veterinary Dictionary (22nd Edition). London: Bloomsbury Press.

[2]Latimer,K.S. (2011). Duncan & Plath Veterinary Laboratory Medicine: Clinical Pathology (5th Edition). Ames, Iowa: Willy Blackwell Publishing House.

[3]Merck Veterinary Manual (2025). Clinical Hematology - Clinical Pathology and Operating Procedures.[4]Weiss,D.J. and Wardrop,K.J. (2010). Schalm Veterinary Hematology (6th Edition). Ames, Iowa: Willy Blackwell Publishing House.