

# BATINGA AMC Test Report of Hematology Analysis

Hospital Address:SM CITY CDO UPTOWN

Contact number:09061211260

Report No.:2605300004

Medical No.: 115221

Test Time:2026.05.30 17:37:37

Pet Name:BENBEN

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)	3.97 10 <sup>3</sup> /uL↓	5.05-16.76			
NEU# (Neutrophil count)	2.48 10 <sup>3</sup> /uL↓	2.95-11.64			
NST# (Band neutrophil count)	0.01 10 <sup>3</sup> /uL	0.00-0.80			
NSG# (Segmented neutrophil count)	2.40 10 <sup>3</sup> /uL↓	2.50-11.30			
NSH# (Hypersegmented neutrophil count)	0.07 10 <sup>3</sup> /uL	0.00-0.40			
LYM# (Lymphocyte count)	1.13 10 <sup>3</sup> /uL	1.05-5.10			
SLYM# (Small lymphocyte count)	1.13 10 <sup>3</sup> /uL	1.05-5.10			
LLYM# (Large lymphocyte count)	0.00 10 <sup>3</sup> /uL	0.00-0.00			
MON# (Monocyte count)	0.07 10 <sup>3</sup> /uL↓	0.16-1.12			
EOS# (Eosinophil count)	0.28 10 <sup>3</sup> /uL	0.06-1.23			
BAS# (Basophil count)	0.01 10 <sup>3</sup> /uL	0.00-0.10			
NEU% (Neutrophil ratio)	62.42 %	52.00-78.00			
NST/WBC% (Band neutrophil ratio)	0.30 %	0.00-10.00			
NST/NEU% (Band neutrophil ratio)	0.49 %	0.00-20.00			
NSG% (Segmented neutrophil ratio)	60.30 %	50.00-75.00			
NSH/WBC% (Hypersegmented neutrophil ratio)	1.82 %	0.00-5.00			
NSH/NEU% (Hypersegmented neutrophil ratio)	2.91 %	0.00-7.00			
LYM% (Lymphocyte ratio)	28.48 %	16.00-41.50			
MON% (Monocyte ratio)	1.82 %	1.00-13.00			
EOS% (Eosinophil ratio)	6.97 %	0.50-11.85			
BAS% (Basophil ratio)	0.30 %	0.00-0.90			
02. RBC (Red blood cell count)	4.78 10 <sup>6</sup> /uL↓	5.65-8.87			
HGB (Hemoglobin concentration)	11.37 g/dL↓	13.10-20.50			
HCT (Hematocrit)	34.86 %↓	37.30-61.70			
MCV (Mean red cell volume)	72.91 fL	61.60-73.50			
MCH (Mean Hb per RBC)	23.77 pg	21.20-25.90			
MCHC (Mean Hb conc in RBC)	32.61 g/dL	32.00-37.90			
RDW-CV (RBC dist width-CV)	12.39 %	11.20-17.10			
RDW-SD (RBC dist width-SD)	30.75 fL	25.60-41.60			
HDW-CV (Hb dist width-CV)	11.36 %	7.00-20.00			
HDW-SD (Hb dist width-SD)	0.27 g/dL	0.20-0.80			
RET# (Reticulocyte count)	3.25 10 <sup>3</sup> /uL	3.00-110.00			
RET% (Reticulocyte ratio)	0.07 %	0.00-1.50			
ETG# (Shadow red cell count)	0.00 10 <sup>12</sup> /L	0.00-0.05			
ETG% (Shadow red cell ratio)	0.00 %	0.00-1.65			
SPH# (Spherocyte count)	0.00 10 <sup>9</sup> /L	0.00-130.10			
SPH% (Spherocyte ratio)	0.00 %	0.00-1.54			
ACA# (Acanthocyte count)	0.00 10 <sup>3</sup> /uL	0.00-0.00			
NRBC# (Nucleated red cell count)	0.00 10 <sup>3</sup> /uL	0.00-0.00			
NRBC/WBC% (Nucleated red cell ratio)	0.00 %	0.00-0.00			
AGG# (Agglutinated red cell count)	0.00 10 <sup>3</sup> /uL	0.00-0.15			
03. PLT (Platelet count)	66.73 10 <sup>3</sup> /uL↓	148.00-484.00			
MPV (Mean platelet volume)	10.83 fL	8.70-13.20			
PDW (Platelet distribution width)	17.10 fL	9.10-19.40			
PCT (Plateletcrit)	0.07 %↓	0.14-0.46			
APLT# (Aggregated platelet count)	0.00 10 <sup>3</sup> /uL	0.00-0.15			
P-LCC (Large platelet count)	4.00 10 <sup>3</sup> /uL	0.00-66.00			
P-LCR (Large platelet ratio)	6.00 %	0.00-25.00			

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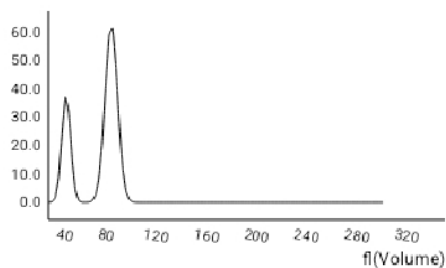
Contact number:09061211260

Report No.:2605300004

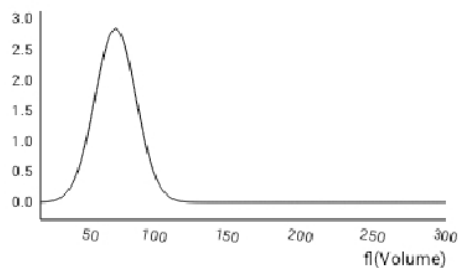
Pet Name:BENBEN

Pet type:Canine

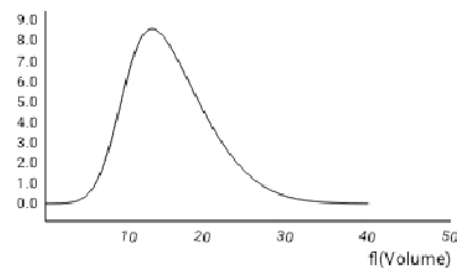
WBC



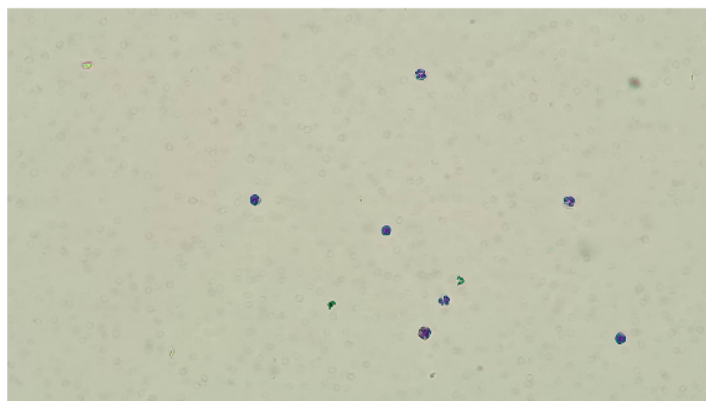
RBC



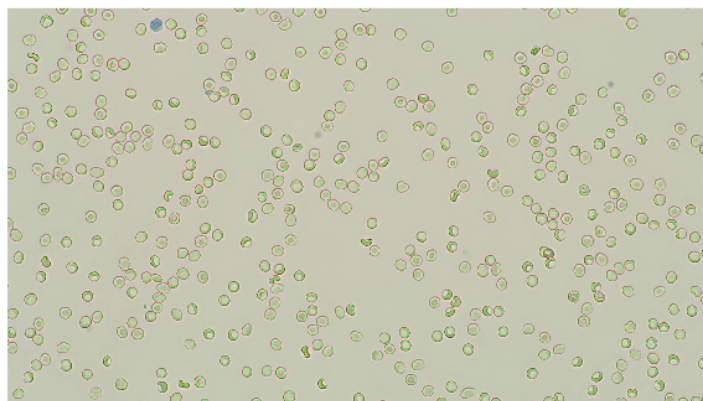
PLT



WBC images



RBC&PLT images



NST# 0.01  $10^3/uL$



STD image Number: 1 sheets/143 images/754 images

NSG# 2.40  $10^3/uL$



STD image Number: 256 sheets/143 images/754 images

NSH# 0.07  $10^3/uL$



STD image Number: 8 sheets/143 images/754 images

SLYM# 1.13  $10^3/uL$



STD image Number: 114 sheets/143 images/754 images

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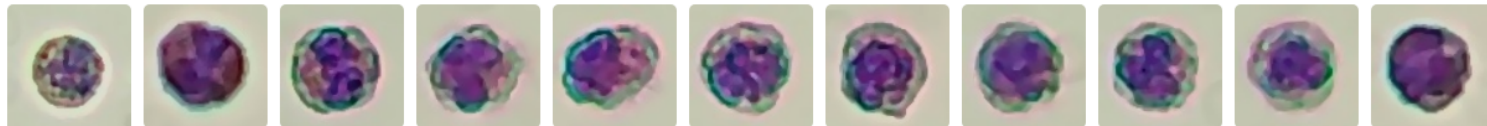
Pet type: Canine

**MON#** 0.07  $10^3/uL$



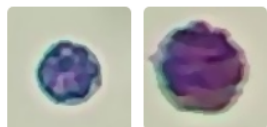
STD image Number: 7 sheets/143 images/754 images

**EOS#** 0.28  $10^3/uL$



STD image Number: 27 sheets/143 images/754 images

**BAS#** 0.01  $10^3/uL$



STD image Number: 1 sheets/143 images/754 images

**RET#** 3.25  $10^3/uL$



STD image Number: 32 sheets/143 images/754 images

**P-LCC** 4.00  $10^3/uL$



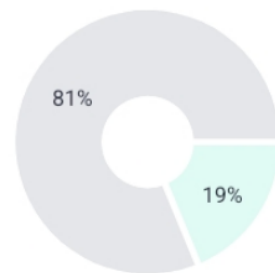
STD image Number: 260 sheets/575 images/754 images

## 1. Bone marrow suppression with leukopenia

Basis for judgment: A decrease in White Blood Cells and various granulocyte subsets suggests bone marrow production disorders, common in viral infections or drug toxicity, manifesting as decreased immunity.

## 2. Anemia (Normocytic)

Basis for judgment: Anemia (Normocytic) is commonly seen in chronic diseases or acute blood loss, manifesting as a simultaneous Decrease in RBC and Hemoglobin, but with Within Normal Range Mean Corpuscular Volume parameters.



Low Normal High

## WBC 3.97 $10^3/uL$ ↓ (5.05-16.76)

-Clinical indication: Decreased total White Blood Cell count suggests severe infection, viral infection, immunosuppression, or bone marrow suppression.  
 -Basis for judgment: [4] indicates that decreased WBC is commonly seen in viral infections (e. g. , feline panleukopenia), autoimmune diseases, or bone marrow suppression, and severe bacterial infections (e. g. , sepsis).

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## NEU# 2.48 $10^3/uL$ ↓ (2.95-11.64)

-Clinical indication:Neutropenia suggests severe infection, viral infection, drug reactions, bone marrow suppression, or consumptive loss.

-Basis for judgment:[4] indicates that neutropenia can be caused by drugs, viral infections, autoimmune diseases, or bone marrow disorders, easily leading to secondary severe infections.

## NSG# 2.40 $10^3/uL$ ↓ (2.50-11.30)

-Clinical indication:Segmented neutropenia, severe infection/chronic inflammation/consumption, bone marrow production disorders, or stress response.

-Basis for judgment:[2] points out that segmented neutropenia is related to low bone marrow function or consumption after acute inflammation. It shows insufficient production or excessive consumption of mature neutrophils.

## MON# 0.07 $10^3/uL$ ↓ (0.16-1.12)

-Clinical indication:Monocytopenia may reflect bone marrow suppression, stress states, early stages of infectious diseases, or critical stages of various diseases.

-Basis for judgment:Decreased total monocyte count is mainly seen in severe stress or abnormal bone marrow production; in severe anemia, etc. , if monocytes disappear for a long time, the prognosis is poor.

## RBC 4.78 $10^6/uL$ ↓ (5.65-8.87)

-Clinical indication:RBC Decreased, indicating anemia

-Basis for judgment:Commonly seen in chronic blood loss anemia (parasitic diseases), acute blood loss anemia (tumors, purpura, surgery), Hemolytic Anemia (parasitic infection, autoimmune Hemolysis), Nutritional Anemia (malnutrition), aplastic anemia (poisoning, immune diseases, endocrine disorders), etc.

## HGB 11.37 g/dL ↓ (13.10-20.50)

-Clinical indication:Hemoglobin Decreased, indicating anemia

-Basis for judgment:Commonly seen in acute/chronic blood loss anemia, Hemolytic Anemia, Nutritional Anemia, Aplastic Anemia, etc.

## Possible diseases and basis for inference

Drug-induced bone marrow suppression (e. g. , chemotherapy drugs) Medium

Chemotherapy drugs can broadly inhibit bone marrow hematopoietic function, causing pancytopenia.

Immune-mediated bone marrow failure Low

Autoimmune attack on bone marrow precursor cells leads to multilineage cell reduction; rare but must be excluded.

Anemia of chronic inflammation High

Decreased RBC and HGB with Within Normal Range MCV/MCH/MCHC is consistent with iron utilization disorder caused by chronic disease.

Acute blood loss anemia Medium

Acute blood loss can lead to a rapid decline in RBC and Hemoglobin, while RBC volume parameters remain unchanged.

Mild Hemolytic Anemia Low

If minor Hemolysis exists, it may only manifest as a slight decrease in RBC and Hemoglobin, while other parameters remain Within Normal Range.

[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.