

BATINGA AMC Test Report of Hematology Analysis

Hospital Address:SM CITY CDO UPTOWN      Contact number:09061211260

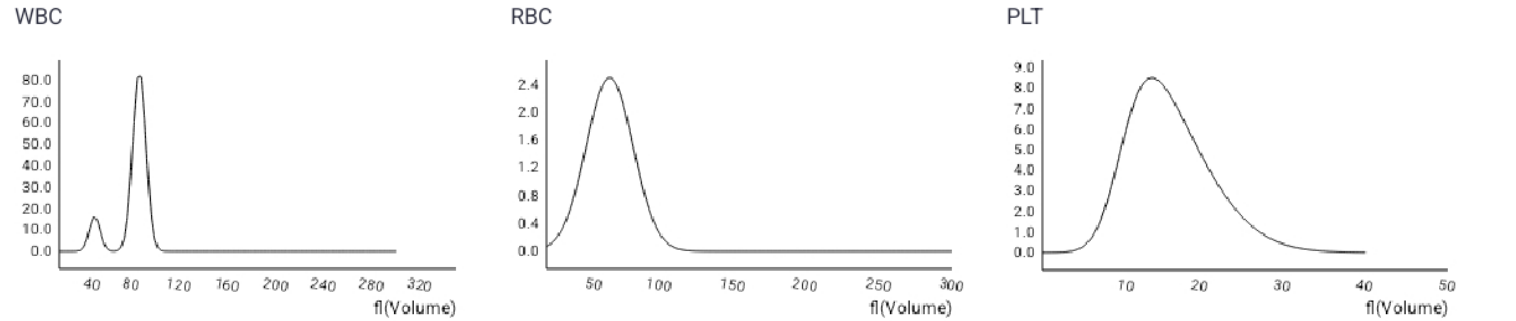
|                       |                         |                               |
|-----------------------|-------------------------|-------------------------------|
| Report No.:2607010001 | Medical No.: 113079     | Test Time:2026.07.01 12:32:21 |
| Pet Name:SNOOPY       | Pet type:Canine         | Gender:Female                 |
| Age: Year             | Sample Type:Whole blood | Owner:                        |

| Parameters                                 | Result         | Reference range | Low | Normal | High |
|--------------------------------------------|----------------|-----------------|-----|--------|------|
| 01. WBC (White blood cell count)           | 26.10 10^3/uL↑ | 5.05-16.76      |     |        |      |
| NEU# (Neutrophil count)                    | 21.85 10^3/uL↑ | 2.95-11.64      |     |        |      |
| NST# (Band neutrophil count)               | 0.35 10^3/uL   | 0.00-0.80       |     |        |      |
| NSG# (Segmented neutrophil count)          | 20.81 10^3/uL↑ | 2.50-11.30      |     |        |      |
| NSH# (Hypersegmented neutrophil count)     | 0.69 10^3/uL↑  | 0.00-0.40       |     |        |      |
| LYM# (Lymphocyte count)                    | 2.25 10^3/uL   | 1.05-5.10       |     |        |      |
| SLYM# (Small lymphocyte count)             | 2.25 10^3/uL   | 1.05-5.10       |     |        |      |
| LLYM# (Large lymphocyte count)             | 0.00 10^3/uL   | 0.00-0.00       |     |        |      |
| MON# (Monocyte count)                      | 1.58 10^3/uL↑  | 0.16-1.12       |     |        |      |
| EOS# (Eosinophil count)                    | 0.42 10^3/uL   | 0.06-1.23       |     |        |      |
| BAS# (Basophil count)                      | 0.00 10^3/uL   | 0.00-0.10       |     |        |      |
| NEU% (Neutrophil ratio)                    | 83.72 %↑       | 52.00-78.00     |     |        |      |
| NST/WBC% (Band neutrophil ratio)           | 1.34 %         | 0.00-10.00      |     |        |      |
| NST/NEU% (Band neutrophil ratio)           | 1.60 %         | 0.00-20.00      |     |        |      |
| NSG% (Segmented neutrophil ratio)          | 79.75 %↑       | 50.00-75.00     |     |        |      |
| NSH/WBC% (Hypersegmented neutrophil ratio) | 2.63 %         | 0.00-5.00       |     |        |      |
| NSH/NEU% (Hypersegmented neutrophil ratio) | 3.14 %         | 0.00-7.00       |     |        |      |
| LYM% (Lymphocyte ratio)                    | 8.63 %↓        | 16.00-41.50     |     |        |      |
| MON% (Monocyte ratio)                      | 6.04 %         | 1.00-13.00      |     |        |      |
| EOS% (Eosinophil ratio)                    | 1.61 %         | 0.50-11.85      |     |        |      |
| BAS% (Basophil ratio)                      | 0.00 %         | 0.00-0.90       |     |        |      |
| 02. RBC (Red blood cell count)             | 6.81 10^6/uL   | 5.65-8.87       |     |        |      |
| HGB (Hemoglobin concentration)             | 15.01 g/dL     | 13.10-20.50     |     |        |      |
| HCT (Hematocrit)                           | 44.80 %        | 37.30-61.70     |     |        |      |
| MCV (Mean red cell volume)                 | 65.74 fL       | 61.60-73.50     |     |        |      |
| MCH (Mean Hb per RBC)                      | 22.03 pg       | 21.20-25.90     |     |        |      |
| MCHC (Mean Hb conc in RBC)                 | 33.50 g/dL     | 32.00-37.90     |     |        |      |
| RDW-CV (RBC dist width-CV)                 | 11.22 %        | 11.20-17.10     |     |        |      |
| RDW-SD (RBC dist width-SD)                 | 26.17 fL       | 25.60-41.60     |     |        |      |
| HDW-CV (Hb dist width-CV)                  | 15.13 %        | 7.00-20.00      |     |        |      |
| HDW-SD (Hb dist width-SD)                  | 0.33 g/dL      | 0.20-0.80       |     |        |      |
| RET# (Reticulocyte count)                  | 51.16 10^3/uL  | 3.00-110.00     |     |        |      |
| RET% (Reticulocyte ratio)                  | 0.75 %         | 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)                   | 0.00 10^3/uL   | 0.00-0.00       |     |        |      |
| NRBC# (Nucleated red cell count)           | 0.00 10^3/uL   | 0.00-0.00       |     |        |      |
| NRBC/WBC% (Nucleated red cell ratio)       | 0.00 %         | 0.00-0.00       |     |        |      |
| AGG# (Agglutinated red cell count)         | 0.00 10^3/uL   | 0.00-0.15       |     |        |      |
| 03. PLT (Platelet count)                   | 233.86 10^3/uL | 148.00-484.00   |     |        |      |
| MPV (Mean platelet volume)                 | 11.13 fL       | 8.70-13.20      |     |        |      |
| PDW (Platelet distribution width)          | 16.85 fL       | 9.10-19.40      |     |        |      |
| PCT (Plateletcrit)                         | 0.26 %         | 0.14-0.46       |     |        |      |
| APLT# (Aggregated platelet count)          | 0.00 10^3/uL   | 0.00-0.15       |     |        |      |
| P-LCC (Large platelet count)               | 15.98 10^3/uL  | 0.00-66.00      |     |        |      |
| P-LCR (Large platelet ratio)               | 6.83 %         | 0.00-25.00      |     |        |      |

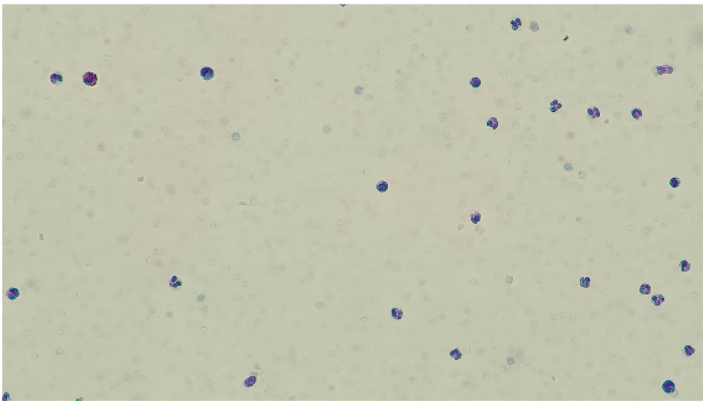
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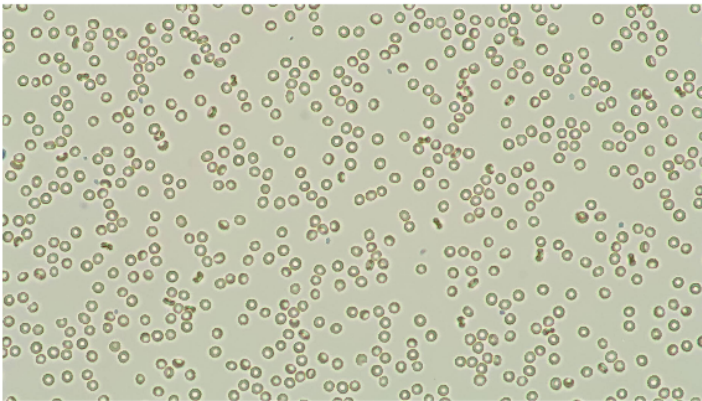
|                       |                 |                 |
|-----------------------|-----------------|-----------------|
| Report No.:2607010001 | Pet Name:SNOOPY | Pet type:Canine |
|-----------------------|-----------------|-----------------|

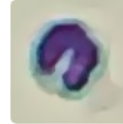
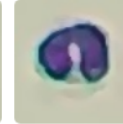
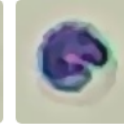
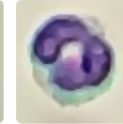
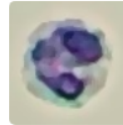
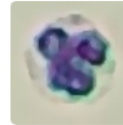
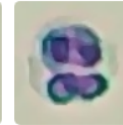
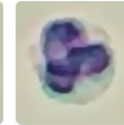
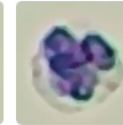
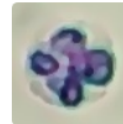
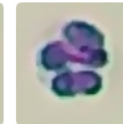
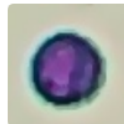
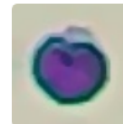


WBC images



RBC&PLT images



|       |                           |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                                                                       |           |                                           |
|-------|---------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------|-------------------------------------------|
| NST#  | 0.35 10 <sup>3</sup> /uL  |  |  |  |  |  |  |  |  |  |  |  | STD image | Number: 37 sheets/143 images/754 images   |
| NSG#  | 20.81 10 <sup>3</sup> /uL |  |  |  |  |  |  |  |  |  |  |  | STD image | Number: 2183 sheets/143 images/754 images |
| NSH#  | 0.69 10 <sup>3</sup> /uL  |  |  |  |  |  |  |  |  |  |  |  | STD image | Number: 72 sheets/143 images/754 images   |
| SLYM# | 2.25 10 <sup>3</sup> /uL  |  |  |  |  |  |  |  |  |  |  |  | STD image | Number: 234 sheets/143 images/754 images  |

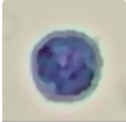
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|-----------------------|-----------------|-----------------|
| Report No.:2607010001 | Pet Name:SNOOPY | Pet type:Canine |
|-----------------------|-----------------|-----------------|

MON#

1.58 10<sup>3</sup>/uL



STD image      Number: 167 sheets/143 images/754 images

EOS#

0.42 10<sup>3</sup>/uL



STD image      Number: 46 sheets/143 images/754 images

RET#

51.16 10<sup>3</sup>/uL



STD image      Number: 516 sheets/143 images/754 images

P-LCC

15.98 10<sup>3</sup>/uL



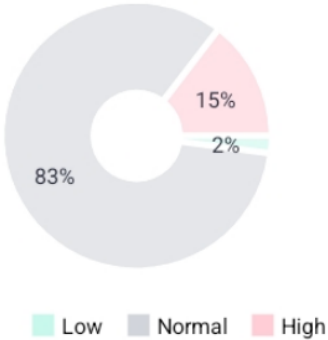
STD image      Number: 822 sheets/575 images/754 images

## 1.Bacterial infection with inflammatory response

Basis for judgment:Significant elevation of neutrophils and monocytes suggests acute or chronic bacterial infection, accompanied by bone marrow stress response.

## 2.No significant hematological abnormalities

Basis for judgment:All blood cell parameters are Within Normal Range, with no signs of anemia, infection, or inflammation, suggesting the body's blood system is basically Within Normal Range.



### WBC 26.10 10<sup>3</sup>/uL ↑ (5.05-16.76)

-Clinical indication:Presence of acute inflammation or infection (bacterial infection is most typical), tissue injury/necrosis, drug/hormone effects, stress response, or myeloproliferative disorders.

-Basis for judgment:Bacterial infection stimulates the bone marrow to accelerate the release of White Blood Cells to fight pathogens; inflammatory reactions caused by trauma, surgery, burns, pancreatitis, etc. ; drugs such as glucocorticoids and colony-stimulating factors can induce elevated White Blood Cells; physiological or pathological stress leads to redistribution of White Blood Cells, resulting in transient elevation; abnormal proliferation of hematopoietic stem cells leads to persistent and significant elevation of White Blood Cells (mostly malignant lesions).

### NEU# 21.85 10<sup>3</sup>/uL ↑ (2.95-11.64)

-Clinical indication:Suggests acute inflammation or infection (local or systemic bacterial infection), tissue necrosis, tumors, stress/cortisol effects, hemorrhage or Hemolysis, granulocytic leukemia, etc.

-Basis for judgment:Neutrophilia is a typical manifestation of acute inflammation (surgery, trauma, infarction, tumor necrosis, thermal injury) or bacterial infection (such as pneumonia, pyelonephritis, cellulitis, pyometra); tumors can secrete granulocyte colony-stimulating factors, etc. , stimulating bone marrow overproduction; chronic myeloid leukemia, Myelodysplastic Syndrome (MDS), etc. , where the bone marrow itself undergoes uncontrolled proliferation; exogenous corticosteroids are the most common drugs leading to iatrogenic neutrophilia.

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Contact number:09061211260

Report No.:2607010001

Pet Name:SNOOPY

Pet type:Canine

## NSG# 20.81 $10^3/uL$ ↑ (2.50-11.30)

-Clinical indication:Commonly seen when the body has acute bacterial infection, acute inflammation/tissue injury, stress response, or myeloproliferative lesions, drugs/hormones, poisoning, etc.

-Basis for judgment:The essence is the accelerated release of mature neutrophils from the bone marrow or prolonged retention of peripheral blood neutrophils. Infectious factors (bronchitis, periodontitis, bacterial pneumonia, pyometra, bacterial enteritis, severe sepsis, bacterial peritonitis); non-infectious inflammation/tissue injury (trauma, surgery, burns, acute pancreatitis); transport fright, pain stimulation, surgical stress, history of glucocorticoid medication; chronic myeloid leukemia, Polycythemia Vera, myelofibrosis (malignant, rare but high risk).

## NSH# 0.69 $10^3/uL$ ↑ (0.00-0.40)

-Clinical indication:Right shift of neutrophil nucleus, common in Vitamin B 12 or folic acid deficiency, use of antimetabolites, long-term antibiotic or hormone use, metabolic issues, chronic inflammation, etc. Right shift is a sign of declining bone marrow hematopoietic function, often caused by severe exhaustion of the body in serious cases.

-Basis for judgment:Vitamin B 12 or folic acid deficiency affects all rapidly dividing cells, leading to DNA synthesis disorders → delayed nuclear development resulting in right shift. During the recovery phase of inflammation, a transient right shift of neutrophils often occurs. Severe right shift suggests bone marrow function decline; in severe illness, exhaustion of bone marrow hematopoietic function and reduced resistance lead to a poor prognosis.

## MON# 1.58 $10^3/uL$ ↑ (0.16-1.12)

-Clinical indication:Increased total monocyte count, suggesting presence of inflammation, tissue necrosis, phagocytic demand, or related to glucocorticoids.

-Basis for judgment:[4] points out that monocytosis is common in chronic infections (such as fungi, protozoa, Mycobacterium tuberculosis, Brucella, etc.) and chronic pathological processes (such as suppuration, necrosis, nutritional disorders, internal hemorrhage, etc.).

## Possible diseases and basis for inference

**Bacterial sepsis**      **High**

WBC, NEU, MON#, NSG#, NSH# are all elevated, consistent with systemic bacterial infection characteristics.

Chronic inflammatory disease (e. g. , periodontitis)      **Medium**

Persistent elevation of monocytes and neutrophils is common in chronic infection foci.

**Stress-induced leukocytosis**      **Low**

If there is no clear source of infection, it may be non-specific leukocytosis caused by stress, but usually accompanied by other stress manifestations.

[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.