

BATINGA AMC Test Report of Hematology Analysis

Hospital Address:SM CITY CDO UPTOWN

Contact number:09061211260

Report No.:2605250001

Medical No.:

Test Time:2026.05.25 11:16:10

Pet Name:Gnocchi

Pet type:Canine

Gender:Female

Age:5 Year

Sample Type:Whole blood

Owner:

Parameters	Result	Reference range	Low	Normal	High
01. WBC (White blood cell count)	10.14 10 ³ /uL	5.05-16.76			
NEU# (Neutrophil count)	6.47 10 ³ /uL	2.95-11.64			
NST# (Band neutrophil count)	0.09 10 ³ /uL	0.00-0.80			
NSG# (Segmented neutrophil count)	6.00 10 ³ /uL	2.50-11.30			
NSH# (Hypersegmented neutrophil count)	0.38 10 ³ /uL	0.00-0.40			
LYM# (Lymphocyte count)	3.00 10 ³ /uL	1.05-5.10			
SLYM# (Small lymphocyte count)	3.00 10 ³ /uL	1.05-5.10			
LLYM# (Large lymphocyte count)	0.00 10 ³ /uL	0.00-0.00			
MON# (Monocyte count)	0.35 10 ³ /uL	0.16-1.12			
EOS# (Eosinophil count)	0.33 10 ³ /uL	0.06-1.23			
BAS# (Basophil count)	0.00 10 ³ /uL	0.00-0.10			
NEU% (Neutrophil ratio)	63.78 %	52.00-78.00			
NST/WBC% (Band neutrophil ratio)	0.85 %	0.00-10.00			
NST/NEU% (Band neutrophil ratio)	1.34 %	0.00-20.00			
NSG% (Segmented neutrophil ratio)	59.19 %	50.00-75.00			
NSH/WBC% (Hypersegmented neutrophil ratio)	3.74 %	0.00-5.00			
NSH/NEU% (Hypersegmented neutrophil ratio)	5.86 %	0.00-7.00			
LYM% (Lymphocyte ratio)	29.59 %	16.00-41.50			
MON% (Monocyte ratio)	3.42 %	1.00-13.00			
EOS% (Eosinophil ratio)	3.21 %	0.50-11.85			
BAS% (Basophil ratio)	0.00 %	0.00-0.90			
02. RBC (Red blood cell count)	8.93 10 ⁶ /uL †	5.65-8.87			
HGB (Hemoglobin concentration)	18.99 g/dL	13.10-20.50			
HCT (Hematocrit)	58.57 %	37.30-61.70			
MCV (Mean red cell volume)	65.55 fL	61.60-73.50			
MCH (Mean Hb per RBC)	21.26 pg	21.20-25.90			
MCHC (Mean Hb conc in RBC)	32.42 g/dL	32.00-37.90			
RDW-CV (RBC dist width-CV)	12.22 %	11.20-17.10			
RDW-SD (RBC dist width-SD)	27.18 fL	25.60-41.60			
HDW-CV (Hb dist width-CV)	11.89 %	7.00-20.00			
HDW-SD (Hb dist width-SD)	0.25 g/dL	0.20-0.80			
RET# (Reticulocyte count)	110.07 10 ³ /uL †	3.00-110.00			
RET% (Reticulocyte ratio)	1.23 %	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)	230.03 10 ³ /uL	148.00-484.00			
MPV (Mean platelet volume)	10.50 fL	8.70-13.20			
PDW (Platelet distribution width)	15.95 fL	9.10-19.40			
PCT (Plateletcrit)	0.24 %	0.14-0.46			
APLT# (Aggregated platelet count)	0.00 10 ³ /uL	0.00-0.15			
P-LCC (Large platelet count)	13.80 10 ³ /uL	0.00-66.00			
P-LCR (Large platelet ratio)	6.00 %	0.00-25.00			

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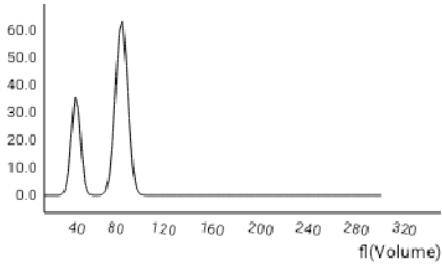
Contact number: 09061211260

Report No.: 2605250001

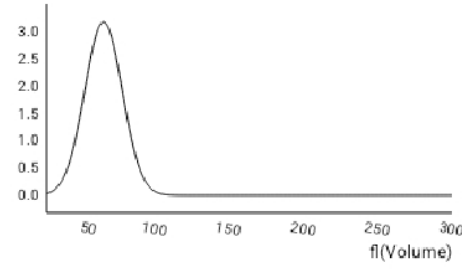
Pet Name: Gnocchi

Pet type: Canine

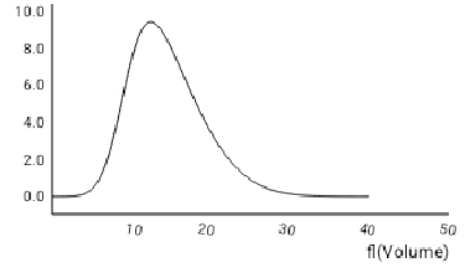
WBC



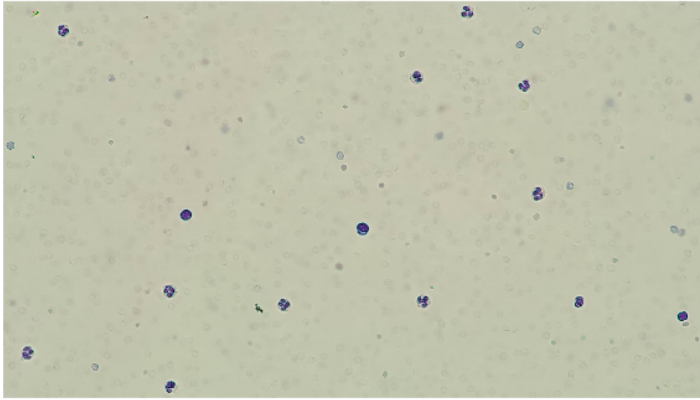
RBC



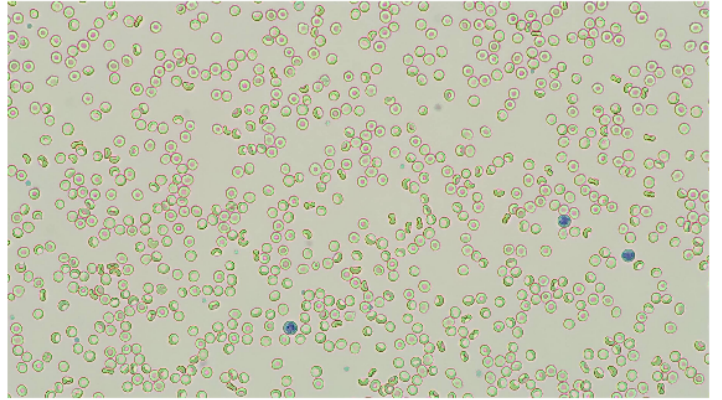
PLT



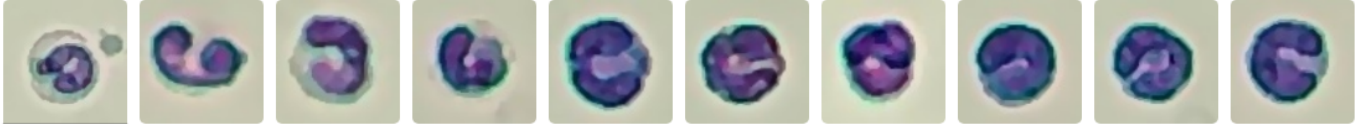
WBC images



RBC&PLT images

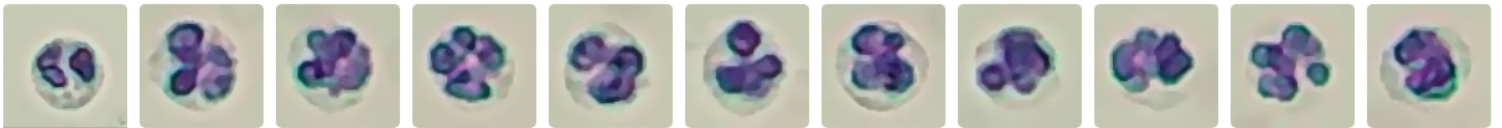


NST# 0.09 $10^3/uL$



STD image Number: 9 sheets/143 images/754 images

NSG# 6.00 $10^3/uL$



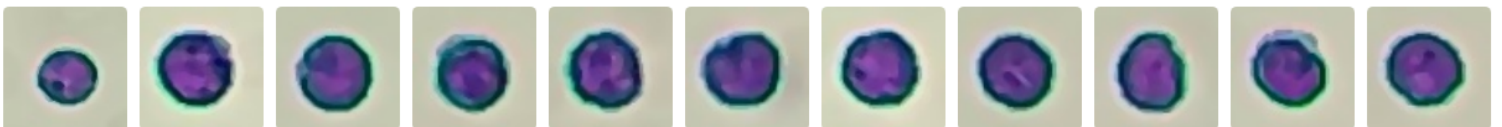
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NSH# 0.38 $10^3/uL$



STD image Number: 38 sheets/143 images/754 images

SLYM# 3.00 $10^3/uL$



STD image Number: 318 sheets/143 images/754 images

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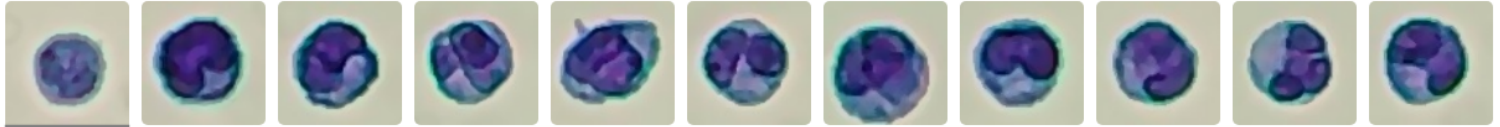
Contact number: 09061211260

Report No.: 2605250001

Pet Name: Gnocchi

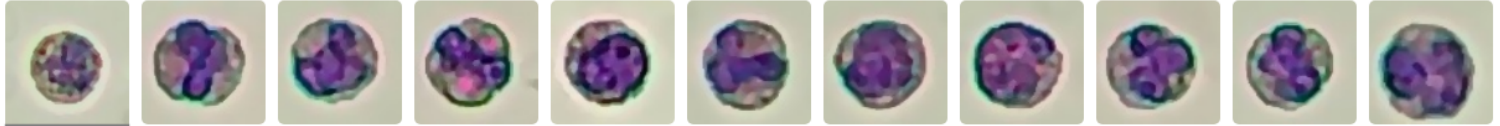
Pet type: Canine

MON# 0.35 $10^3/uL$



STD image Number: 41 sheets/143 images/754 images

EOS# 0.33 $10^3/uL$



STD image Number: 30 sheets/143 images/754 images

RET# 110.07 $10^3/uL$



STD image Number: 1108 sheets/143 images/754 images

P-LCC 13.80 $10^3/uL$



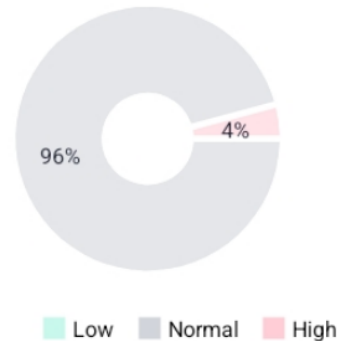
STD image Number: 938 sheets/575 images/754 images

1. No obvious abnormalities

Basis for judgment: All blood cell parameters are normal; no pathological manifestations such as infection, inflammation, or anemia were observed.

2. Polycythemia

Basis for judgment: Elevated RBC is the only abnormality; combined with other Within Normal Range red blood cell parameters, it suggests relative or absolute polycythemia, commonly seen in dehydration or primary myeloproliferative diseases, accompanied by symptoms such as fatigue and dyspnea.



RBC 8.93 $10^6/uL$ \uparrow (5.65-8.87)

-Clinical indication: Polycythemia possible

-Basis for judgment: Seen in increases leading to reduced blood volume (dehydration, vomiting, high fever, diarrhea, polyuria, excessive sweating, extensive burns, etc.), Polycythemia Vera, diseases causing compensatory Increase in Erythropoietin (EPO) (Elevated altitude adaptation, Chronic Obstructive Pulmonary Disease, congenital heart disease, etc.) or pathological Elevated (renal tumor, hydronephrosis, tumors, etc.).

Possible diseases and basis for inference

Severe hypertonic dehydration High

Massive loss of water \rightarrow sharp reduction in plasma volume \rightarrow blood concentration \rightarrow Elevated Red Blood Cell count; often accompanied by dry mucous membranes, Decreased skin elasticity, and sharp reduction in urine output; Red Blood Cell count can quickly return to Within Normal Range after fluid replacement to correct dehydration.

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Chronic hypoxic diseases Medium

Chronic hypoxia → Elevated EPO secretion by the kidneys → bone marrow erythroid hematopoietic hyperactivity → absolute Increase in total Red Blood Cell count to improve blood oxygen-carrying capacity; affected pets often show cyanotic mucous membranes, Decreased exercise tolerance, chronic cough, and heart murmurs during auscultation.

Polycythemia Vera (Primary) Low

Clonal abnormal proliferation of bone marrow erythroid hematopoietic cells → independent of EPO regulation, autonomous production of large numbers of red blood cells → significant Increase in Red Blood Cell count (Dogs > $8.5 \times 10^{12}/L$, Cats > $10.0 \times 10^{12}/L$); often accompanied by Elevated Platelet and total White Blood Cell counts, Elevated blood viscosity, and Elevated risk of thrombosis.

[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.