LEPTOVET LAB
FOR VETERINARY SERVICES

mindray animal care

Name:	**Feline Species (Kitty)**	**Ref. by:**	**Petzinia Vet. Clinic**
Date:	**August 9th 2024**	**Owner:**	**Y 3**
Age:	**12 Yrs**	**Gender:**	**Female**

Complete Blood Picture

Parameter	Result	Reference range
R.B.Cs.	***5.45***	*5.0 – 10.0 million/c.mm*
Haemoglobin	***8.6***	*9.8-15.4 g/dL*
Platelets	***193 000***	*300.000 – 800.000 /c.mm*
Haematocrit	***29***	*30 % - 45 %*
W.B.Cs. (TLC)	***5 600***	*5500 – 19500 /c.mm*

Differential Leucocytes Count	***Relative***		***Absolute***	
Basophils	***0***	*0 – 1 %*	***0***	*0-.2 g/l*
Eosinophils	***10***	*2 - 10 %*	***0.5***	*0.02-0.49 g/l*
Staff.	***2***			
Segmented	***58***	*45 -64 %*	***3.2***	*1.63-13.37 g/l*
Lymphocytes	***10***	*27 – 36 %*	***0.5***	*0.83-9.1 g/l*
Monocytes	***20***	*0 – 5%*	***1.1***	*0.09-1.21 g/l*

Blood Indices

MCV	***53.2***	*39 – 55 fl*
MCH	***15.7***	*13 – 17 pg*
MCHC	***29.6***	*30 – 36 g %*
RDWc	***17***	*14-18 %*

Conclusion: **Normocytic Hypochromic Anemia.**
Thrombocytopenia.
Absolute Lymphocytopenia & Eosinophilia.

Supervised by
Head of Cl. Pathology Unit

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Blood Chemistry Profile

Parameter	Result		Reference range
GPT (ALT)	***43***		*25–97 U/L*
GOT (AST)	***38***		*7-38 U/L*
BUN	***93***	**(H)**	*19-34 mg/dL*
Creatinine	***5.2***	**(H)**	*0.9-2.2 mg/dL*

Supervised by
Head of Cl. Pathology Unit

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Microbiology and Parasitology Report

Type of sample: **EDTA Whole blood**

Technique: **Blood film stained with Geimsa**

Result: **Negative for blood parasites and intracellular bacteria.**

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Interpretation

-Hypochromic Anaemia:

-This anaemia is almost associated with iron deficiency anaemia.

-Nutritional deficiency of iron can be the cause in very young animals, but chronic blood loss should be searched for in adult animals.

-Thrombocytopenia which may be caused by:

a) Decreased production of platelets in bone marrow (The commonest cause is Bone marrow failure, Aplastic anemia, Leukemia, Marrow infiltration, Chemotherapy or Drug toxicity)
b) Increased consumption of platelets in coagulation (Many conditions can initiate disseminated intravascular coagulation as viral, bacterial, protozoal, rickettsial infections, parasitic migration, heat stroke, tumors or trauma)
c) Increased destruction of platelets by macrophages (Immune mediated thrombocytopenia)
d) Increased sequestration of platelets.

-Lymphocytopenia may be caused by:

a) Corticosteroids either exogenous or endogenous.
b) Some viral diseases.
c)Immuno-suppressive drugs which decrease lymphopoiesis.

-Eosinophilia which may be caused by:

1-Allergy.
2-Parasitism.
3-Neoplasia.
4-Adrenocortical insufficiency.

Pets Line Technical and Scientific Officer

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