

DESCRIPTION OF HEMATOLOGICAL VALUE IN LEOPARD GECKO

(Eublepharis macularius)

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ABSTRACT

The aim of this research was to explore the hematological value of Leopard Gecko (*Eublepharis macularius*). Total of 20 samples were examined, its consists of 10 males and 10 females, blood samples were taken from vena ventral abdominal and deposited into EDTA tubes, fresh blood leaves little to make blood smear, total blood examination conducted with automatic hematological analyzer ABX MICROS 60 and for total leukocyte and differential leukocyte count used standard manual method. The mean result of hematological value of leopard gecko in this research are WBC ($\times 10^3/\text{mm}^3$) 7,12 male, 8,09 female, Lymphocyte (%) 46,2 male, 38,4 female, Monocyte (%) 17 male, 17,3 female, Heterophil (%) 18,3 male, 21,8 female, Eosinophil (%) 10,8 male, 13,9 female, Basofil (%) 7,7 male, 8,6 female, RBC ($10^6/\text{mm}^3$) 0,64 male, 0,65 female, HGB (g/dl) 8,95 male, 9,46 female, Hematocrit (%) 10,55 male and 9,26 female. In all parameters showed that hematology value of male gecko leopard was lower than female gecko except on two parameters which are hematocrit and lymphocyte which showed male gecko has the higher value than females, but the hematology value difference of both sexes leopard gecko is not significant except in heterophil value.

Keywords : *Eublepharis macularius*, Hematological Value, Total Blood