

EVALUATION OF BLOOD BIOCHEMISTRY, MORPHOLOGY AND THE AMOUNT OF ISTHMUSES IN THE EOSINOPHILS NUCLEI FOR STANDARD DARK MINK (*MUSTELA VISION*)

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Summary. The aim of our study was to determine the difference of some blood morphology and serum biochemistry parameters in 7 month old (females and males) standard dark minks (*Mustela vision*). We estimated that the average number of red blood cells (RBC) in blood of standard dark mink females ($6.47 \pm 0.10 \times 10^{12}/l$) and white blood cells (WBC) ($6.70 \pm 0.19 \times 10^9/l$) were statistically significantly lower ($p < 0.001$) compared to males, respectively RBC ($9.41 \pm 0.24 \times 10^{12}/l$) and WBC ($9.32 \pm 0.14 \times 10^9/l$). The average of haemoglobin (Hb) (160.65 ± 0.89 g/l) in the blood of female minks was statistically significantly lower ($p < 0.001$) than in males (166.27 ± 0.94 g/l). The average of albumins (Alb) (33.84 ± 0.38 g/l), calcium (Ca) (2.45 ± 0.02 mmol/l), phosphorus (P) (1.85 ± 0.05 mmol/l), magnesium (Mg) (0.87 ± 0.02 mmol/l), glucose (Glu) (5.80 ± 0.18 mmol/l), aspartate aminotransferase (AST) (87.28 ± 4.42 TV/l) were statistically significantly lower ($p < 0.001$) than in males respectively Alb (42.36 ± 0.44 g/l), Ca (2.70 ± 0.02 mmol/l), P (2.78 ± 0.03 mmol/l), Mg (1.29 ± 0.02 mmol/l), AST (111.72 ± 3.38 mmol/l). The amount of eosinophils with two and three isthmuses in the nuclei for male minks was significantly lower ($p = 0.0000142$; $\chi^2 = 27.7$; $df = 4$) compared to females, but with one isthmus in nuclei was significantly lower for females ($p = 0.00047$; $\chi^2 = 22.2$; $df = 5$).

Keywords: *Mustela vision*, blood morphology, eosinophils, isthmus.