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Influence of gaseous air pollutants on the mineral element level in polar fox blood (*Alopex lagopus*)

S u m m a r y

The investigations were conducted to determine the impact of air gaseous pollutants on a level of some mineral elements in polar fox blood. The animals kept at the farm constituted the control, while the treatment group was maintained in the closed chamber with outer air flow supplied. Throughout the experimental period the foxes received the same balanced feed rations in accordance with the feeding standards and age requirements for furry animals. The significance of the maintenance conditions as a determinant of mineral elements content in serum was confirmed by the magnesium and phosphorus concentration analyses. A magnesium level proved to be statistically far higher in the case of the treatment group compared to the control. In case of inorganic phosphorus, the statistically higher levels were reported in the control group. A Ca content in the fox serum in both groups corresponded to the reference values, while the Fe level was higher than these values.