Yu. P. Grynevych, I. P. Drozd, A. I. Lypska, S. V. Teletska, L. I. Makovetska

PEROXIDASE ACTIVITY OF THE RAT BLOOD AT PROLONGED INTAKE OF ^{137}Cs

Investigated peroxidase activity of blood white nonlinear rats-males by daily oral administration of 15 kBq ^{137}Cs by chemiluminescence. Discovered oscillatory nature of the changes chemiluminescent indicators peroxidase oxidation of blood, the maximum deviation of the control are registered during the 4th and 60th days, and the minimum at the 1st, 7th and 135th days. Recovering kinetic parameters CL does not occur within 135 days of observation (the 90th day of the completion of the introduction of radioactive cesium).

Keywords: chemiluminescence, lipid peroxidation, peroxidase activity of blood, internal exposure, low-level doses.