

G.Ulakođlu¹, B.Yurttař¹, .Atak¹, A.Rzakoulieva,
V.I.Danilov, S.Alikamanođlu¹

EFFECT OF MAGNETIC FIELD ON L-STRAIN CELLS*

¹University of Istanbul, Faculty of Science, Department of Biology,
Istanbul, Turkey

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The effects of electromagnetic and magnetic fields are currently being made useful in many fields, especially in medicine. In this research work, L-Strain cells which are a type of fibrosarcoma cells were exposed to a magnetic flow of 2–26 mT in periods of 1, 2, 3 and 4 minutes. The L-Strain cells, which were exposed to the magnetic field for these periods, were counted after 24 and 48 hours, when compared with the controls, it was observed that in groups of 1 and 4 minutes exposure a significant decrease ($P < 0.05$) in the number of cells occurred.

The per cent of labelling index of L-Strain cells exposed to the magnetic field for 1 and 4 minutes decreased significantly also in comparison to the controls.

The investigation has been performed at the Dzhelepov Laboratory of Nuclear Problems, JINR.