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## **Chromosome Damage Induced by Ferric Chloride in Human Peripheral Lymphocytes**

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**KEYWORDS** Ferric chloride; chromosome damage; human leucocyte culture

**ABSTRACT** The clastogenic activity of ferric chloride were observed on human lymphocyte culture *in vitro* after exposure for 24 and 48 hrs. The results shows ferric chloride induces significantly high levels of chromosomal aberrations (%) and damaged cells (%) as compared to control. Period of exposure does not seem to affect the incidence to a significant level. Mitotic index however is reduced significantly as compared to control. The reduction being greater after exposure for 24 hours.

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