

Rifampicin Induced Chromatid Exchanges in Mouse Bone Marrow Cells

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ABSTRACT Mice were injected i.p. with single dose of 0.5, 2.5, 5 mg/kg body weight of rifampicin. Cells were sampled for mitotic chromosome analysis 4, 16 and 24 h after treatment. The maximal yield of chromosome type aberrations induced was found 24 h after treatment. More than sixty percent of the cells carried at least one chromatid exchange. The majority of these were exchanges derived from breaks in the centromeric heterochromatin.