Genotoxicity tests on the compounds of polyethylene glycol terephthalate (PET): Dimethylterephthalate (DMT) and terephtalic acid (TPA)

Lerda, Daniel Enrique (1996) *Genotoxicity tests on the compounds of polyethylene glycol terephthalate (PET): Dimethylterephthalate (DMT) and terephtalic acid (TPA).* International Journal of Environmental Health Research, 6 (2). pp. 125-130. ISSN 0960-3123

RESUMEN

Dimethylterephthalate (DMT) and terephtalic acid (TPA), the main compounds of polyethylene glycol terephthalate (PET) were evaluated for genotoxicity and mutagenicity in the Ames test, UDS by liquid scintillation counting, and micronuclei induced in binucleate human lymphocytes. Data failed to show that DMT and TPA at different concentrations (0.5, 5, 50 and 500 µg ml-1) had any genotoxic and or mutagenic effects. Further research should be carried on so that in vivo genotoxic properties of the PET precursors can be determined.

TIPO DE DOCUMENTO: Artículo

DOI: https://doi.org/10.1080/09603129609356881

PALABRAS CLAVE: Dimethylterephthalate. Genotoxicity. Mutagenicity. Polyethylene glycol terephthalate. Terephtalic acid.

TEMAS: R Medicina > R Medicina (General)

UNIDAD ACADÉMICA: Universidad Católica de Córdoba > Facultad de Ciencias de la Salud