

短篇报道

维生素B6 (VitB6) 对姐妹染色单体互换 (SCE) 频率的影响

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摘要 本文研究了维生素B6 体外体内试验对SCE 频率的影响,体外试验不同剂量VitB6 诱发中国仓鼠肺细胞株细胞(CHL) 及人周血淋巴细胞的SCE 频率显著升高($P < 0.01$),但体内试验VitB6 诱导的小鼠骨髓细胞SCE 频率与对照组比较无显著性差别($P > 0.05$),看来VitB6 在体内不是致突变剂。

关键词 [SCE](#) [VitB6](#) [体内试验](#) [体外试验](#)

EFFECT OF VITB6 ON FREQUENCY OF SISTER CHROMATID EXCHANGE (SCE) IN VARIOUS CELLS BY USING IN VITRO AND IN VIVO ASSAY

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Abstract The purpose of this paper is to study the effect of VitB6 on frequency of sister chromatid exchange (SCE) in cells from human and animals by using in Vitro and in Vivo assay. In vitro assay , the frequency of SCE was markedly increased in both cells from human lymphocytes and the Chinese hamster lung cell line (CHL) , which were exposed to the VitB6 in various doses. A dose response was presented. But in Vivo assay , the statistic difference between the SCE rates of mouse bone marrow cells in test group and in that of control group was not observed. In Vivo assay , it seems that the VitB6 may be not a mutagen.

Keywords [Frequency of sister chromatid exchange](#) [VitB6](#) [In vitro assay](#) [In vivo assay](#)

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