

人白血病细胞系(J6-1)染色体带型分析和标记染色体的发现

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摘要 J⁶⁻¹细胞系是我国第五研究室于1976年培养成功的非淋巴细胞型白血病细胞系。为了了解该细胞系的核型特点, 我们对本细胞系, 再每隔10代连续6次常规染色体分析的基础上^[1], 用染色体显带技术(包括G带和C带), 对其染色体进行了带型分析。除证明J6-1细胞系具有男性核型外, 还发现有两个标记染色体。现将我们所采用的方法及分析的结果报告如下, 并就其来源和意义进行了初步讨论。

关键词

分类号

ANALYSIS OF G- AND C- BANDING PAND FINDING OF TWO MARKER CHROMOSOMES IN HUMAN LEUKEMIC CELL LINE (J6-1)

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Abstract

The chromosomes of J6-1 were treted with G- and C- banding techniques at the 36th and 48th generations .They were examined and counted under the light micros-cope, and the karyotype analysis were taken. In addition to a nala karyotype demons- trated in this cell line, two marker chromosomes were found and named mar1 and mar2. The mar1 is a dicentric chromosme, which comes from different origins, its frequency being 14%.The mar2 is a translocated chromosome, which comes from t(4,11)(4Pter--4q32:: 11q13-- 11Pter),its frequency being about 90%.

Key words

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