

# 人染色体脆性部分3p14扫描电镜的初步观察<sup>1)</sup>

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**摘要** 本文对外周血淋巴细胞染色体最常见的脆性部分3p14进行了扫描电镜的初步观察。发现电镜下fra (3p14)的单体断裂或裂隙可能为DNA纤维的包装不全图象, 并表现出不同形态特征。

**关键词** [脆性部分,扫描电镜,染色单体断裂,裂隙,包装不全](#)

分类号

## A Preliminary Investigation of Human Chromosomal Fragile Site 3p14 Using Scanning Electron Microscopy(SEM)

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### Abstract

A preliminary scanning electron microscopical observation on the most common human chromosomal fragile site 3p14 of the peripheral lymphocytes was reported. It was shown that chromatid break or gap at 3p14 observed under SEM may be a sign of under-packing of DNA filaments and the possibility of various packing-patterns might be in existence. The result of the present work might be of significance in the understanding of natures of breaking or gap of chromatid and may be of help to the study of the mechanisms of chromosomal fragile site formation.

**Key words** [Fragile site](#) [SEM](#) [Chromatid break](#) [Gap](#) [Underpacking](#)

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