

限制性内切酶缓冲液诱导人和家兔染色体显带的研究 Study on Human and Rabbit Chromosome Banding by Restriction Endonucleases and Their Buffers

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收稿日期 修回日期 网络版发布日期 接受日期

摘要 用限制性内切酶Alu I、缓冲液或空白处理人染色体标本,发现Alu I及缓冲液均能诱导出类C和G带,其中缓冲液诱导的类C带频率虽低于酶原液,但明显高于空白对照;而G带的诱导率无明显差异。此外,用限制性内切酶Hae III和 Hinf I及其缓冲液处理中国小型白兔外周血染色体标本,也诱导出了相应的类C和G带。

Abstract: C- and G-bands were induced in human chromosome by both AluI and its buffer after treating the samples with AluI, buffer and blank control. The frequency of C-band induced by buffer was lower than that by AluI ($P < 0.05$), but much higher than that by blank control ($P < 0.001$). There was no significant difference among the frequencies of G-band induced by AluI, buffer and blank control ($P > 0.05$). Also HaeIII, and their buffers were capable of inducing C- and G-bands on chromosome of China small-sized domestic rabbits.

关键词 [限制性内切酶](#) [缓冲液](#) [人](#) [家兔](#) [染色体](#) [显带](#) **Key words** [Restriction endonuclease](#) [Buffer](#) [Human](#) [Rabbit](#) [Chromosome](#) [Band](#)

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