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低温处理对半夏悬浮培养细胞同步化的影响

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中文摘要:目的: 研究低温处理对半夏悬浮培养细胞同步化的影响·找出适合半夏细胞同步化条件。 方法: 以三叶半夏疏松愈伤组织为材料、采用正文粒能设计方法研究低温处理对半夏悬浮培养细胞同步化的影响。非对所得数据过行极差分析而力差分析。 结果:低温处更高细胞分裂排散均不可同程的份疑。其中温度为8 它相侧能分裂指数大于其他2组温度处理后细胞分裂指数,而在8 飞低温条件下处理24 b.恢复26 b.同步化效量数于分类指数均在13%。 希语:低温处可以明显影响半夏悬浮培养细胞的同步

中文关键词: <u>半夏 悬浮培养 低温处理 同步化</u>

Effect of low temperature on cell synchronization division in suspension culture cells of Pinellia

Abstract:Objective: To study the effect of low temperature on cell synchronization division in suspension culture cells of Pinellia termata, in order to find a proper condition for cell synchronization. Method: The loosened calli of P. ternata were used as materials. The effect of low temperature on cell synchronization division was studied and researched in suspension culture cells by the method of orthogonal experiment, the obtained experimental data was compared and analysics of range and analysis of range and analysis of range and analysis of range and analysis or far experiment, the cell division index was increased in various degrees, among the total results, when the temperature was set at 8 °C for 24 hours and then recovered for 36 hours, the effect was the best, the mitotic index was significantly increased to 11.3%. Conclusion: The low temperature could obviously influence the cell synchronization division in suspension culture cells of P. ternata, and the mitotic index was efficiently increased.

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