

酿酒酵母嗜杀质粒(dsRNA)的提取与分离纯化 Extraction and Purification of the double-stranded RNA Killer Plasmids from *Saccharomyces cerevisiae*

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摘要 对酿酒酵母嗜杀质粒的提取、电泳检测及纯化方法进行了研究。以改进的Fried和Fink方法在不预破细胞壁的情况下, 巯基乙醇在碱性条件(pH9.3)预处理后, 直接以SDS-苯酚抽提完整细胞分离到了嗜杀质粒(dsRNA)。在此基础上, 以电泳透析方法获得了纯化的M2和L双链RNA, 琼脂糖凝胶电泳测定分子大小分别为1.5kb和4.0kb。
Abstract: The method of extraction and purification of the double-stranded RNA killer plasmids from *Saccharomyces cerevisiae* was studied. With the improved method of Fried and Fink we directly extracted the intact cells with SDS-phenol after pre-treating the cells with β -mercaptoethanol under analkli condition. The result was detected and confirmed by the gel electrophoresis. On this basis we acquired the purified M2 and L-dsRNA by means of electrophoretic dialysis, their molecular lengths being 1.5kb and 4.0kb respectively.

关键词 [酿酒酵母](#) [dsRNA嗜杀质粒](#) [分离纯化](#) **Key words** [Saccharomyces cerevisiae](#) [dsRNA Killer plasmids](#) [Extraction and purification](#)

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