



运用链特异性RT-PCR法进行脊髓灰质炎灭活疫苗的灭活验证

余芬, 孙明波, 周健, 高娜, 伍胤杰, 梁疆莉, 姬光, 褚嘉祐

中国医学科学院医学生物学研究所, 云南昆明 650118

Detection of inactivated polio virus vaccines by strand specific RT-PCR

YU Fen, SUN Ming-bo, ZHOU Jian, GAO Na, WU Yin-jie, LIANG Jiang-li, JI Guang, CHU Jia-you

Institute of Medical Biology, Chinese Academy of Medical Science, Kunming 650118, China

- 摘要
- 参考文献
- 相关文章

全文: PDF (778 KB) HTML (1 KB) 输出: BibTeX | EndNote (RIS) 背景资料

摘要 运用链特异性逆转录聚合酶链式反应法(RT-PCR)建立了一种快速、灵敏、特异的脊髓灰质炎灭活疫苗(IPV)的灭活验证体系. 以Sabin株脊髓灰质炎病毒悬液作为阳性对照,对脊髓灰质炎灭活疫苗进行检测.结果表明,链特异性RT-PCR法对具有活性的脊髓灰质炎病毒检测为阳性,而对脊髓灰质炎灭活疫苗的检测结果为阴性.链特异性RT-PCR法可作为一种简便、快速、灵敏的脊髓灰质炎灭活疫苗灭活验证方法,大大缩短了检测周期,在脊髓灰质炎灭活疫苗灭活验证的常规检测中具有较好的实际应用价值.

关键词: 脊髓灰质炎灭活疫苗 灭活验证 链特异性RT-PCR

Abstract: The study was to find a rapid and sensitive methodology to test the effectiveness of inactivation of polio virus vaccine (IPV).Strand specific reverse transcriptase-polymerase chain reaction (RT-PCR) was applied to detect polio viruses in IPV.Sabin strains of polio virus were used in control experiments.It was proved that strand specific RT-PCRwas a sensitive and accurate method in rapid test of the effectiveness of inactivated virus polio vaccines.The method produced final results within 4—5 days,in contrast,the conventional method took about 35 days.This method was quite useful in the vaccine safety of IPV.

Key words:

收稿日期: 2010-03-07;

通讯作者: 褚嘉祐,研究员,博士生导师,主要从事医学遗传学方面的研究,E-mail: chujoy@mibcams.com.cn.

引用本文:

余芬,孙明波,周健等. 运用链特异性RT-PCR法进行脊髓灰质炎灭活疫苗的灭活验证[J]. 云南大学学报(自然科学版), 2010, 32(4): 488-492 .

\$author.xingMing_EN,\$author.xingMing_EN,\$author.xingMing_EN et al. Detection of inactivated polio virus vaccines by strand specific RT-PCR[J]. , 2010, 32(4): 488-492 .

没有本文参考文献

没有找到本文相关文章

服务

- ▶ 把本文推荐给朋友
- ▶ 加入我的书架
- ▶ 加入引用管理器
- ▶ E-mail Alert
- ▶ RSS

作者相关文章

- ▶ 余芬
- ▶ 孙明波
- ▶ 周健
- ▶ 高娜
- ▶ 伍胤杰
- ▶ 梁疆莉
- ▶ 姬光
- ▶ 褚嘉祐

版权所有 © 《云南大学学报(自然科学版)》编辑部

编辑出版：云南大学学报编辑部（昆明市翠湖北路2号，650091）

电话：0871-5033829(传真) 5031498 5031662 E-mail: yndxxb@ynu.edu.cn yndxxb@163.com