



禽流感病毒型及亚型特异性免疫酶染色技术的研究

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Development of type and subtype-specific immunoperoxidase staining techniques for detection of avian influenza virus

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摘要

在获得禽流感病毒型及亚型特异性单克隆抗体的基础上, 研究建立型及亚型特异性免疫酶染色技术, 用于检测或鉴定禽流感病毒. 优化反应条件, 确定单克隆抗体及辣根过氧化物酶标记二抗的最佳工作浓度, 进行敏感性、特异性、重复性及稳定性分析, 并与病毒分离鉴定比较. 结果表明该方法敏感、特异, 具有良好的重复性和稳定性, 可用于检测临床组织样品、鸡胚及细胞培养物中的禽流感病毒.

关键词: 禽流感病毒 型特异性 亚型特异性 免疫酶染色

Abstract:

Based on obtaining avian influenza type and subtype-specific monoclonal antibody, the type and subtype specific immunoperoxidase staining techniques were developed for detection of avian influenza virus. The reactive condition and the working titers of monoclonal antibodies and HRP-labeled second antibody were optimized, and the assay sensitivity, specificity, repeatability, stability were analyzed and compared with virus isolation and identification. The results indicated that immunoperoxidase staining techniques were sensitive, specific, with high repeatability and stability for detection of avian influenza virus in clinical tissue samples, embryo and cell culture tissues.

Key words:

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[J]. 云南大学学报(自然科学版), 2008, 30(5): 0-502 .

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- [1] 宋建领,张文东,王金萍,李作生,冯子良,胡媛媛,郭松辉,张应国,范泉水,宋学林,邱薇,张富强. 禽流感病毒H9亚型特异性抗原捕捉ELISA检测方法的研究[J]. 云南大学学报(自然科学版), 2008, 30(1): 0-67 .