Abstract

Our results demonstrated that the purified F1 protein is suitable for PHA assay and is effective to be an antigen to raise a specific anti-F antiserum.Also, in conjunction with PHA to examine the anti-F1 antibody serologically, screening for the potential caf1 DNA by PCR provide an effective and yet sensitive system for plaque surveillance.

Key Word：Yersinia pestis、Capsule fraction 1、F1、PHA、Immunofluorescence、PCR、caf1、Affinity chromatography