

Abstract

In March 2002, Severe Acute Respiratory Syndrome (SARS) outbreak in our country, that clinical symptom was similar to virus pathogen for respiratory infection. Influenza virus, parainfluenza virus, Respiratory Syncytial Virus (RSV), Adneovirus, Herpes simplex virus(HSV) and human Metapneumovirus (hMPV) were common respiratory virus spread through the world.

Today the new challenge was emerge , Avian Influenza exist case report in east south asia and China. these country was contact frequent with our national. .therefore, we must to design the rapid real-time PCR system to identify respiratory virus pathogen. In this study we expect to design new primer and probe for RSV, Adenovirus, HSV and hMPV.

Key words : Real-time PCR 、Respiratory Syncytial Virus 、Adenovirus 、Herpes simplex virus types1 and 2 、human Metapneumovirus