

Abstract

There are so many pathogens that cause human gastroenteritis, including bacteria and viuses. In industrial countries, like Europe and America countries, there are 60% and 80% gastroenteritis' patients cause by virus. Watery diarrhea, vomiting and fever often occurs during the progressing of disease.

In Taiwan, the study of viral gastroenteritis is not clear. For the purposes of evaluate viral gastroenteritis epidemiology information ,disease control and prevention. This study establish Real Time RT-PCR and ELISA to evaluate stool specimens collected from there hospitals. Rotavirus is the major cause of viral gastroenteritis and next piority is Norovirus.

Keywords : diarrheal syndrom ; viral gastroenteritis ; Real Time RT-PCR ; Rotavirus ; Norovirus