

## **Abstract**

**There are lots of zoonoses between horses and mankind. Most of them are serious deadly diseases. Nowadays, plagues explored all around the world; the domestic researches only focus on the plague of the livestock except the horses. In terms of this situation will be one of the loopholes in epidemic prevention. In recent years, more and more plagues happened overseas. Lethal respiratory tract disease, for example, caused by Hendra virus, there are 21 horses and 2 people infected with this disease in Australia in 1994. The year in 1995, there were 75,000 people infected with Venezuela Equine Encephalitis in Colombia, 3,000 people had neurological complications, and 300 people died caused by this disease. The purpose of this research focuses on the surveys of the several equine viral infectious diseases that threaten mankind profoundly and could help us to understand the antivenin-production horses were infected these viral diseases or not. At the same time, we also guarantee the quality of antivenin and offer epidemic preventions to the staff who works with these antivenin-production horses by the results of this research. Furthermore, the results of this research will offer effective information to CDC on planning policies of epidemic control.**

**Keywords: viral infectious disease ; antivenin-production horses ; zoonoses**