Guangzhou Promise Biologics Company Limited

By Prof. Chunhui He

Guangzhou Promise Biological Co., Ltd (hereinafter referred to as “Promise Biologics”) was founded in April, 2006 with a registered capital of 84 million RMB. Located in Wanbao Industrial Park, Panyu District, Guangzhou, equipped with beautiful environment and convenient transportation, the plant of Promise Biologics now covers an area of 10,000 m². By the end of 2012, the total investment is over 200 million RMB.

After years of development, Promise Biologics has built a standard platform for large-scale industrialization of freeze dried rabies vaccine. In August, 2008, Rabies Vaccine obtained GMP Certificate from the State Food and Drug Administration (SFDA). In 2010, Promise Biologics was given the title of high-technology enterprise by Guangdong Province.

Promise Biologics currently has 260 employees, including 4 with senior titles, 10% of the employees are post-graduates and 60% are undergraduates, specializing in the R&D and industrialization of freeze-dried rabies vaccine (Vero cell microcarrier).

Promise Biologics focuses on developing rabies vaccine with better quality for human use. In early 2009, the rabies vaccine was launched to the market. Its quality has been widely recognized by SFDA and various patients. Since July 2012, the workshop and facilities have been upgraded to renew the GMP certificate (2010 version). By the year of 2015, a new factory in accordance with WHO vaccine prequalification standards will be built in Guangzhou Development Zone. From 2016, products from the new factory will service the patients all over the world.

In 2011, Promise Biologics was commissioned by the National Institutes for Food and Drug Control (NIFDC) to prepare the 8th national standard rabies vaccines which meet the requirements of the 2010 edition Pharmacopoeia of People's Republic of China. The success of preparation fully demonstrates Promise
Biologics’ leading position in domestic rabies vaccine market.

**Process Features**

A fix-bed bioreactor system (figure 1) is adopted in the rabies vaccine production process. In this system, the disk carrier is filled in a basket, and liquid inside is mixed through agitation. This technology was independently developed by Promise Biologics and it is also for the first time the technology was used to produce higher quality rabies vaccine.

**Product Features**

**Product Name:** Freeze Dried Rabies Vaccine (Vero Cell) for human use.

**Product Specifications:** 1ml per dose, 1 dose with 1 bottle of sterilized water for injection per box, 500 boxes per case.

**Product Quality:** high potency, high safety, high stability, no preservatives and no gelatins (figure 2)