

Merck Animal Health Statement on SEQUIVITY™ Technology



Merck Animal Health fully supports the use of the SEQUIVITY™ Technology, a revolutionary, flexible, rapid and targeted vaccine production platform incorporating immuno-precision capabilities that protects against a wide range of disease-causing viral and bacterial pathogens in food producing livestock and companion animals.

The SEQUIVITY™ Technology production platform results in vaccines that contain RNA Particles (RP), which produce antigens to stimulate a protective immune response in animals. While traditional vaccines can take years to develop using this technology, Merck Animal Health can provide a solution in a very short period of time.

Safe and Effective in Improving the Health and Well-Being of Animals

Vaccines developed with RNA technology do not pose any risks to the food supply when animals are vaccinated. **All vaccines undergo rigorous safety studies.** In fact, the use of RNA Particle vaccine technology has proven to be an effective tool in improving the health and well-being of animals.

Millions of doses of the SEQUIVITY vaccine platform have safely been used by veterinarians in swine herds for more than ten years since the USDA first issued the license in 2012. It is also being used in other countries such as Canada, Chile, Mexico, and the Philippines.

About the SEQUIVITY Technology and its Value

The SEQUIVITY technology represents a technological advancement within the company's existing vaccine portfolio because it allows the company to rapidly and precisely choose the gene of interest to produce specific

antigens in order to make commercially available and/or custom-tailored vaccines.

By using carefully selected gene sequences, the production platform enables targeted creation of a vaccine as needed for rapidly evolving pathogens, thereby **offering a precise solution to evolving disease challenges.**

The Importance of Innovative Vaccines

Modern vaccine technologies or biotechnology vaccines are playing an ever-increasing role in pharmaceutical, vaccine and diagnostic discovery in veterinary medicine, contributing to improvements in the health and welfare of companion animals and food-producing animals.

These technologies provide greater options for application, facilitating administration and enhancing animal welfare.