

Swine Vaccines - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts 2019 - 2029

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Report description:

The swine vaccines market is expected to register a CAGR of 5.2% over the forecast period.

The COVID-19 pandemic had a substantial impact on the swine vaccine market. The animal health industry witnessed an adverse impact owing to the outbreak of COVID-19. Delays in the delivery of the active ingredients and raw materials and capacity constraints were some of the major concerns that restrained the market's growth during the early pandemic. For instance, according to an article published by the United States Department of Agriculture in February 2022, the COVID-19 pandemic significantly impacted production in pork processing plants across the United States, with effects felt throughout the pork supply chain. Thus, the pandemic had a significant impact on the studied market initially. However, as the pandemic has currently subsided, the studied market is expected to have stable growth during the forecast period of the study.

Factors such as government initiatives toward swine disease management, increasing awareness about influenza A, and an increase in research and development expenditure toward vaccine innovation are expected to boost the market growth.

The increasing cases of swine fever in developing countries and the initiatives by various organizations for the management of the disease are also some of the major factors propelling the market's growth over the forecast period. For instance, as per the report published by the Foundation for Food & Agriculture Research in April 2022, African swine fever (ASF) has emerged as one of the highly contagious viruses that cause 100% mortality in swine. There are no commercially available vaccines to treat the disease. Therefore, in order to combat the disease, the Foundation for Food & Agricultural Research granted USD 145,000 to Genvax Technologies for developing a self-amplifying messenger RNA (saRNA) vaccine for African Swine Fever in association with the United States Department of Agriculture-Agricultural Research Services-Plum Island Animal Disease Center (USDA-ARS-PIADC). African Swine Fever has been detected in many countries until now, except in the United States. In addition, government

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initiatives toward swine disease management are one of the major factors driving the market growth.

Additionally, according to an article published by Efsa Journal in May 2022, salmonellosis is one of the most common food-borne outbreaks that occurs in the European Union, and it often comes from swine. Thus, the high prevalence of such diseases is expected to enhance the demand for swine vaccines for the prevention of the disease.

Moreover, the development of various market players is also expected to boost market growth. For instance, in December 2022, UConn collaborated with USDA to develop an African swine fever vaccine candidate that is licensed by Zoetis. Similarly, in June 2022, Vietnamese researchers developed a vaccine against African swine fever for pigs in collaboration with the United States.

Therefore, owing to the aforementioned factors, such as the rising developments by key market players, increasing cases of swine fever in developing countries, and the initiatives by various organizations for the management of the disease, the studied market is anticipated to witness growth over the analysis period. However, the high cost of maintaining and handling storage conditions, along with the chance of reverse reactions from vaccines, is likely to impede the market's growth.

Swine Vaccines Market Trends

Inactivated Vaccines Segment is Expected to Witness Significant Growth Over the Forecast Period

The inactivated vaccines segment is likely to register significant growth throughout the forecast period. Inactivated vaccines may contain antigens of organisms that are chemically synthesized or the whole organism in an inactivated state. The immunity ratio in inactivated vaccines can be enhanced by adding adjuvants or substances, such as certain types of oil or aluminum hydroxide. These vaccines also contain toxins that are usually modified to stimulate an immune response in swine.

Various research studies related to inactivated vaccines are in the pipeline to check their effectiveness against various swine diseases; this is expected to enhance segment growth. For instance, according to an article published by PubMed in March 2022, an inactivated vaccine is currently in development for Senecavirus A (SVA), which is commonly known as Seneca Valley virus (SVV), and it is a causative agent for vesicular disease in swine. Hence, such research and development activities are anticipated to boost the segment's growth over the forecast period.

Furthermore, various developments by market players and other organizations are also expected to enhance market growth. For instance, in June 2022, the United Kingdom Research and Innovation collaborated with various organizations in Southeast Asia to develop swine biopharmaceuticals, including vaccines. The organizations include the National Vaccine Institute of Thailand, the National Institute for Veterinary Research (NIVR), the Ministry of Agriculture, Vietnam, and the Bioscience Animal Health of Thailand, among others. Moreover, in January 2021, ECO Animal Health Group plc received marketing authorization from Brazil's Ministry of Agriculture, Livestock and Food Supply for Circo/MycoGard, a vaccine for swine. Circo/MycoGard is an inactivated vaccine that is used for the vaccination of healthy piglets against Porcine Circovirus type 2 (PCV2) and Mycoplasma hyopneumoniae.

Therefore, the inactivated vaccines segment is expected to witness significant growth over the forecast period due to the abovementioned factors, such as the several advantages of inactivated vaccines and increasing research studies for inactivated swine vaccines.

North America is Expected to Hold a Significant Market Share Over the Forecast Period

North America is expected to hold a significant market share owing to factors such as an increasing number of diseases and rising R&D expenditure to develop advanced products in the region. An increase in the usage of swine vaccines owing to the

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highly organized farming structures in the United States is among the key factors that contribute to the growth of the studied market in North America. For instance, in March 2022, the USDA's National Institute of Food and Agriculture (NIFA) granted USD 642,000 to Cornell University to develop swine influenza vaccines. Therefore, such initiatives are anticipated to promote market growth in this region.

Furthermore, the high hogs and pigs population in the region is also expected to boost market growth. For instance, according to the data published by USDA's National Agricultural Statistics Service (NASS) in March 2022, there were 72.2 million hogs and pigs on United States farms.

Moreover, various initiatives by the governments are some of the other factors driving the growth of the swine vaccine market in the country. For instance, in November 2022, Agriculture and Agri-Food Canada launched an African swine fever prevention and preparedness program. It is a USD 23.4 million program which is designed to help Canada's pork industry prepare for the possibility of African swine fever (ASF) entering the country. Similarly, in August 2022, the Government of Canada made an investment of up to USD 45.3 million to enhance African swine fever prevention and preparedness.

Therefore, owing to the aforementioned factors, such as the high swine population and the increasing initiatives by the government, the growth of the studied market is anticipated in the North American region.

Swine Vaccines Industry Overview

The swine vaccines market is fragmented due to the presence of several companies operating globally and regionally. Some of the key market players include Merck & Co. Inc., Zoetis Inc., Ceva Sante Animale, Boehringer Ingelheim GmbH, Elanco, Biogenesis Bago, KM Biologics, HIPRA, and Phibro Animal Health, among others.

Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

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