

Asia Pacific Fish Vaccines Market Forecast to 2030 - Regional Analysis - by Vaccine Type (Inactivated Vaccines, Live Attenuated Vaccines, Subunit Vaccines, Recombinant Vector Vaccine, and Others), Application (Bacterial Infection, Viral Infection, and Parasitic), Route of Administration (Injection Vaccine, Immersion Vaccine, and Oral Vaccine), and Species (Salmon, Trout, Tilapia, and Others)

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Abstracts

The Asia Pacific fish vaccines market was valued at US\$ 46.87 million in 2022 and is expected to reach US\$ 94.15 million by 2030; it is estimated to grow at a CAGR of 9.1% from 2022 to 2030.

Development of Novel Fish Vaccine Fuels the Asia Pacific Fish Vaccine Market
Emergence of disease outbreak caused by parasites, viruses, and bacteria have slowed down the evolution of the global aquaculture industry for several decades. Aside from being harmful to human health, emerging diseases have a significant impact on aquatic animals. Traditional vaccines have limitations and drawbacks, which bolsters the demand for the development of novel advanced vaccines such as chimeric multiepitope vaccines. Newer avenues in the basic and applied research fields of aquatic vaccines have been opened up by scientific and technological advancements. An effort has been made to create novel aquatic vaccines with higher quality and efficiency using new technologies, approaches, and strategies.

Using the available bioinformatics tools and current knowledge of immunoproteomics and genomics, researchers can identify potential targeted epitopes that immune cells can recognize. Further, as the cost of techniques such as whole genome sequencing continues to decline, it opens the way for species-specific vaccine development. This is

likely to boost investments in developing new vaccines. In 2021, the Central Institute of Brackishwater Aquaculture (ICAR) launched a recombinant vaccine against viral nervous necrosis (VNN) in India.

Thus, the development of an effective mucosal vaccine with strengthening the administration process is expected to accelerate the novel vaccine development, which would boost the aquaculture businesses in Mediterranean countries to regularize fish vaccination processes. Hence, development of novel fish vaccines is likely creating significant opportunity for market growth.

Asia Pacific Fish Vaccines Market Overview

The Asia Pacific fish vaccines market is segmented into China, Japan, India, South Korea, Australia, and the Rest of Asia Pacific. The market growth in these countries is attributed to the rising aquaculture sector in the region and favorable government initiatives. Moreover, expansion and product launch strategies implemented by market players are expected to contribute to the growth of the fish vaccines market in the region. Commercial aquaculture production in Japan has developed dramatically since the end of the 2nd World War and occupies an important place in the fisheries sector. More than 60 species are included in the aquaculture section of the annual fisheries statistics. Of these, the main species are Nori, yesso scallop, oyster, Japanese amberjack, red seabream, and sea mustard. However, domestic demand for seafood products will decline in the next decade, and the production of aquaculture will decline if it remains dependent on domestic demand. This decline in demand in Japan is because Japan's population is dropping, and their diets are shifting toward meat.

Asia Pacific Fish Vaccines Market Revenue and Forecast to 2030 (US\$ Million)

Asia Pacific Fish Vaccines Market Segmentation

The Asia Pacific fish vaccines market is segmented based on vaccine type, application, route of administration, species, and country.

Based on vaccine type, the Asia Pacific fish vaccines market is segmented into inactivated vaccines, live attenuated vaccines, subunit vaccines, recombinant vector vaccine, and others. The inactivated vaccines segment held the largest market share in 2022.

Based on application, the Asia Pacific fish vaccines market is segmented into bacterial infection, viral infection, and parasitic. The bacterial infection segment held the largest market share in 2022.

Based on route of administration, the Asia Pacific fish vaccines market is segmented into injection vaccine, immersion vaccine, and oral vaccine. The injection vaccine segment held the largest market share in 2022.

Based on species, the Asia Pacific fish vaccines market is segmented into salmon, trout, tilapia, and others. The salmon segment held the largest market share in 2022.

Based on country, the Asia Pacific fish vaccines market is segmented into China,

Japan, India, Australia, South Korea, and the Rest of Asia Pacific. Japan dominated the Asia Pacific fish vaccines market share in 2022.

Choong Ang Vaccine Laboratories Co.; Elanco Animal Health Inc; Hipra SA; INDIAN IMMUNOLOGICALS LTD; KBNP Inc.; Kyoto Biken Laboratories; Merck & Co Inc.; Nisseiken Co., Ltd.; Phibro Animal Health Corp; Vaxxinova International BV; and Zoetis Inc. are some of the leading companies operating in the Asia Pacific fish vaccines market.

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