

Asia Pacific Therapeutic Vaccines Market Report (2021-2031) by Scope, Segmentation, Dynamics, and Competitive Analysis

<https://marketpublishers.com/r/AECB368BFD1AEN.html>

Date: September 2025

Pages: 126

Price: US\$ 3,450.00 (Single User License)

ID: AECB368BFD1AEN

Abstracts

The Asia Pacific therapeutic vaccines market is projected to grow significantly, reaching approximately US\$ 85,862.88 thousand by 2031, up from US\$ 34,213.87 thousand in 2024, with an estimated compound annual growth rate (CAGR) of 14.0% from 2024 to 2031.

Executive Summary and Market Analysis

The therapeutic vaccine market in the Asia Pacific region is witnessing robust growth, primarily fueled by advancements in technology and increased funding for vaccine research. Key players in this growth include China and India, which benefit from large populations, extensive immunization programs, and rising healthcare expenditures. Japan's advanced healthcare system and high vaccination rates also contribute significantly to market expansion. Furthermore, Australia is enhancing its market presence through strong government support and heightened public awareness regarding vaccination benefits.

Despite this growth, the market faces challenges such as stringent regulatory frameworks, high production and development costs, and limited awareness among patients and healthcare professionals. Addressing these challenges is crucial for the continued growth of the therapeutic vaccine sector in the Asia Pacific.

Market Segmentation Analysis

The therapeutic vaccines market can be segmented by product type, technology, and end user:

- By Product: The market is divided into cancer vaccines, infectious disease vaccines, and others, with cancer vaccines holding the largest market share in 2024.
- By Technology: The market is categorized into allogenic and autologous vaccines, with allogenic vaccines leading in market share in 2024.
- By End User: The end users include hospitals, clinics, and others, with hospitals accounting for the largest share in 2024.

Market Outlook

The demand for innovative treatment options is driving significant investments and advancements in the therapeutic vaccines sector. The increasing number of clinical candidates progressing through various development stages is indicative of this trend. Innovative research and development in biotechnology are producing advanced therapeutic vaccines targeting a range of diseases, including chronic conditions like cancer and newer infections. For instance, Moderna's mRNA-4157 is currently in phase 2 trials, showing promise in combination with checkpoint inhibitors for melanoma treatment. The therapeutic vaccine pipeline is also expanding to address autoimmune diseases and infectious diseases such as HIV, HPV, and HBV.

Several companies are focusing on scientific and technical excellence to develop and launch new therapeutic vaccines. The expanding pipeline of vaccine candidates targeting diverse diseases presents significant opportunities to meet unmet medical needs. Below is a summary of notable therapeutic vaccine candidates:

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- mRNA-4157: An mRNA-based neoantigen vaccine in Phase I/II for melanoma.
- VGX-3100: A DNA vaccine in Phase I/II for cervical and head and neck cancers.

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The ongoing clinical trials indicate a promising future for the therapeutic vaccines market, with new treatment options emerging to address unmet medical needs.

Country Insights

The Asia Pacific therapeutic vaccines market includes countries such as China, Japan, India, Australia, South Korea, and others. Australia is expected to maintain the largest market share in 2024, driven by its strong healthcare infrastructure and active

involvement in vaccine development. Notably, Australian researchers have made significant progress in developing a therapeutic vaccine for Epstein-Barr virus (EBV), which could revolutionize treatment for diseases associated with EBV, including multiple sclerosis and certain cancers.

Additionally, South Australia is establishing itself as a leader in mRNA technology with the development of a state-of-the-art mRNA production facility, BioCina. This facility aims to enhance the production of therapeutic drugs and vaccines, supported by US\$ 10 million in funding from the Australian government.

Company Profiles

Key players in the therapeutic vaccines market include CureVac SE, THERAVECTYS SA, Transgene SA, INOVIO Pharmaceuticals Inc, ISA Pharmaceuticals BV, Amgen Inc, Merck & Co Inc, Serum Institute of India Pvt. Ltd, BioNTech SE, and Dendreon. These companies are pursuing various strategies, including expansion, product innovation, and mergers and acquisitions, to enhance their market presence and offer innovative products.

Reason to buy

Save and reduce time carrying out entry-level research by identifying the growth, size, leading players, and segments in the Asia Pacific Therapeutics Vaccine Market.

Highlights key business priorities in order to assist companies to realign their business strategies.

The key findings and recommendations highlight crucial progressive industry trends in the Asia Pacific Therapeutics Vaccine Market, thereby allowing players across the value chain to develop effective long-term strategies.

Develop/modify business expansion plans by using substantial growth offering developed and emerging markets.

Scrutinize in-depth Asia Pacific market trends and outlook coupled with the factors driving the Asia Pacific Therapeutics vaccine Market, as well as those hindering it.

Enhance the decision-making process by understanding the strategies that underpin commercial interest with respect to client products, segmentation, pricing, and distribution.

Companies

Dendreon

BioNTech SE

Serum Institute of India Pvt. Ltd

Merck & Co Inc

Amgen Inc

ISA Pharmaceuticals BV

INOVIO Pharmaceuticals Inc

Transgene SA

THERAVECTYS SA

CureVac SE

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