

# Toxoid Vaccine Market Opportunities by Key Players, Regional Segmentation and Forecasts, 2018 – 2023

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New Study on “2018-2023 Toxoid Vaccine Market Global Key Player, Demand, Growth, Opportunities and Analysis Forecast” added to Wise Guy Reports Database

Toxoid vaccine Market are biologically inactivated forms of native toxins. The market for toxoid vaccine is projected to be growing at a CAGR of 4.3% for the forecast 2018-2023. The most commonly used toxoid is tetanus toxoid, diphtheria-derived toxoids and other proteins are used occasionally. Diphtheria toxoid is produced globally in a standard fashion, in the US, production and testing procedures are specified in the Code of Federal Regulations. Diphtheria toxoid is manufactured both by large multinational vaccine companies and by developing countries for domestic use. Boostrix and Adacel are the examples and are approved for individuals 11 to 64 years of age.

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The increasing number of reported cases of tetanus and diphtheria in developing economies is driving the growth of the market. Tetanus is an infectious disease caused by *Clostridium tetani* characterized by muscle spasms. About 10% of those infected expire while a large number become incapacitated due to bone fractures. Tetanus toxoid vaccine is used for tetanus prevention by developing immunity against the pathogen causing tetanus. Initially it was developed in 1924 and has resulted in a 95% decrease in the rate of tetanus in the US and is on the World Health Organization's list of essential medicines. The low cost of tetanus vaccine is the other reason for the market growth.

The market restraints of the toxoid vaccine are the severe side-effects associated with toxoid vaccine which makes it less preferable. Bipolar and contractual nature of the market, falling profitability of vaccine manufacturing and lesser demands for these vaccines in the developed regions are hindering the growth of the market. In UK there were a total of 4 cases reported due to deprivation of tetanus vaccine. In US there were no reported cases of tetanus deprivation. Almost all cases of tetanus in the US are caused in people who have never been immunized or who have not had a tetanus booster shot within the preceding 10 years. However, government initiatives for vaccination programs in the developing economies will have a positive impact on the growth of the market.

The toxoid vaccine market is segmented on the basis of disease, composition, form and end-user. On the basis of disease, the market is bifurcated into tetanus, diphtheria and pertussis. On the basis of composition the market is segmented into monovalent tetanus toxoid (TT), diphtheria, tetanus, and pertussis (DtaP), diphtheria and tetanus (DT), tetanus and diphtheria (Td) and tetanus, diphtheria, and pertussis (Tdap). TaP and DT vaccines are used for age 6 years or smaller. The DTaP is formulated with inactivated polio–hepatitis B (Pediarix). Adult Td can be used to vaccinate individuals 7 years and older. Tdap vaccines are available for children between 10 and 18 years of age. On the basis of enduser the market is segmented into hospitals, clinics and government organizations.

Government organization is the largest segment due to the healthcare vaccinations programs initiatives.

The global toxoid vaccine market is analysed on the basis of the geographical regions that are contributing significantly towards the growth of the market. Asia Pacific Region accounts for the maximum market share due to more reported cases of mortalities from bacterial infections. North America and Europe are the potential markets for toxoid vaccines due to the greater healthcare spending and vaccination coverage.

The companies contributing to the growth of global toxoid market are AstraZeneca Plc, Astellas Pharma Inc. Bayer, Bharat Biotech, Ceva, Emergent Biosolutions Inc., GlaxoSmithKline Plc, Grifols, Merck & Co. Inc. Novartis, Panacea Biotech, PaxVax, Pfizer Inc., Sanofi Pasteur Inc., Sinovac Biotech Ltd., The Serum Institute of India Limited, Virbac, Valeant Pharmaceuticals, and Integrated BioTherapeutics. Majority of key players are acquiring or entering into strategic alliance with other key players from the market to gain a competitive edge over others and enhance their presence. In December 2015, Grifols, the one company in the US offering two tetanus therapies, signed an agreement with MassBiologics (MBL) that gives Grifols exclusive rights to market and distribute MBL's tetanus and diphtheria toxoids adsorbed (Td) vaccine in the US.

#### Market Segmentation

- Global toxoid vaccine market by disease
- Global toxoid vaccine market by composition
- Global toxoid vaccine market by form
- Global toxoid vaccine market by end-user

#### Research Methodology

The market study of toxoid vaccine market is incorporated by extensive primary and secondary research conducted by research team at OMR. Secondary research has been conducted to refine the available data to breakdown the market in various segments, derive total market size, market forecast and growth rate. Different approaches have been worked on to derive the market value and market growth rate. Our team collects facts and data related to the market from different geography to provide a better regional outlook. In the report country level analysis is provided by analyzing various regional players, regional tax laws and policies, consumer behavior and macro-economic factors. Numbers extracted from Secondary research have been authenticated by conducting proper primary research. It includes tracking down key people from the industry and interviewing them to validate the data. This enables our analyst to derive the closest possible figures without any major deviations in the actual number. Our analysts try to contact as many executives, managers, key opinion leaders and industry experts. Primary research brings the authenticity in our reports.

Secondary sources include:

- Financial reports of companies involved in the market
- Authentic Public Databases
- Whitepapers, research-papers and news blogs
- Company websites and their product catalogue.
- Supplier Websites such as Alibaba, amazon for pricing analysis.

The report provides in-depth analysis on pricing, market size, intended quality of the product preferred by consumers, initial norms and vehicle segment.

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