

# Viral Inactivation - Global Market Outlook (2017-2023)

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# **Abstracts**

According to Stratistics MRC, the Global Viral Inactivation Market is accounted for \$1.99 billion in 2016 and expected to grow at a CAGR of 14.9% to reach \$5.29 billion by 2023. Factors such as rapid growth in pharmaceutical and biotechnology industries, strong R&D investments in the life sciences industry, high incidence of chronic diseases and increasing number of new drug launches are driving the market growth. However, the high cost of biologics and biosimilars products, development of expensive equipment for viral inactivation are inhibiting the marketspace.

Based on method, the Alkylating agent method segment is considered as the robust & efficient method for inactivation of variety of enveloped viruses. Alkylating agents are monofunctional or bifunctional. Two mechanisms exist for viral inactivation with alkylating agents. One mechanism involves the modification of proteins, which would cause inhibition of viral cell entry or the release of the genome. Also, Formalin and ?-propiolactone (?-PL) are used for inactivation of viruses via chemical reaction along with viral capsid proteins and nucleic acids. Alkylating agents permeate the protein capsid of viruses and chemically inactivate the nucleic acid. The alkylating agent N-acetylaziridine is a virus inactivate that has been used in vaccine preparation.

Based on product, the usage of kits and reagents has increased tremendously. Two nucleic acid extraction buffers available commercially are used to inactivate the viral stocks. These are TRIzol® LS reagent (Invitrogen Corp.) and AVL Buffer from the Qiamp viral RNA mini kit (Qiagen). North America has dominated the market during the forecast period due to adoption of many methods by blood testing centre. According to the FDA, 41 novel drugs were approved. Increase in funding has also resulted in growth in number of FDA approvals over the recent years.

Some of the key players in Global Viral Inactivation market are Macopharma SA, Charles River Laboratories International, Inc., Clean Cells Inc., Danaher Corporation,



Merck KGAA, Parker Hannifin Corporation, Rad Source Technologies, Inc., SGS SA, Sartorius AG, Texcell, Inc., Viral Inactivated Plasma Systems SA, Wuxi Pharmatech (Cayman) Inc., Shandong Weigao Group Medical Polymer Company Limited, Cerus Corporation, Terumo BCT, Inc, BioReliance, Thermo Fisher Scientific Inc. and Macopharma SA.

# Applications Covered:

Stem cell products

Cellular & Gene therapy products

Blood & Blood tissue products

Vaccines & Therapeutics

Tissues & Tissue products

# Products Covered:

Viral inactivation accessories

Systems and Services

Kits & Reagents

#### Methods Covered:

pH Concentration method

Alkylating agent method

Solvent detergent method

Pasteurization

Radiation method



# Other Methods

	Other Methods		
End Users Covered:			
	Blood banks and Hospitals		
	Academic research institutes		
	Pharmaceutical and Biotechnology companies		
	Contract Research Organizations		
	Other End Users		
Regions Covered:			
	North America		
	US		
	Canada		
	Mexico		
	Europe		
	Germany		
	UK		
	Italy		
	France		
	Spain		



Rest of Europe

Rest of Europe
Asia Pacific
Japan
China
India
Australia
New Zealand
South Korea
Rest of Asia Pacific
South America
Argentina
Brazil
Chile
Rest of South America
Middle East & Africa
Saudi Arabia
UAE
Qatar
South Africa

Rest of Middle East & Africa



# What our report offers:

Market share assessments for the regional and country level segments

Market share analysis of the top industry players

Strategic recommendations for the new entrants

Market forecasts for a minimum of 7 years of all the mentioned segments, sub segments and the regional markets

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements



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