

# **Viral Inactivation Market Report by Product (Reagents and Kits, Systems, Services), Application (Vaccines and Therapeutics, Stem Cell Products, Blood and Blood Products, Tissue and Tissue Products, Cellular and Gene Therapy), End Use (Pharmaceutical and Biotechnology Companies, CROs, Academic and Research Institutes, and Others), and Region 2024-2032**

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## **Abstracts**

The global viral inactivation market size reached US\$ 635.6 Million in 2023. Looking forward, IMARC Group expects the market to reach US\$ 1,390.8 Million by 2032, exhibiting a growth rate (CAGR) of 8.8% during 2024-2032.

Biotherapeutic products contain viruses or they can become contaminated during the production process. Viruses are infectious particles that invade cells wherein they proliferate and result in various diseases. As a result, viral inactivation is widely used to inhibit coat proteins and degrade nucleic acid within the virus. At present, different methods of viral inactivation are available across the globe according to the characteristics of the virus and the type of biotherapeutic product. For instance, germicidal (UVC) light exposure helps inactivate viruses in hospitals and other critical public and military environments.

Viral Inactivation Market Trends:

Human blood is a source of medicinal products that assists in the prevention and treatment of life-threatening diseases. Rising concerns about the transmission of blood-

borne viruses through plasma-derived medicinal products represent one of the significant factors influencing the need for viral inactivation around the world. Several procedures for viral inactivation are nowadays used to assure the safety of blood plasma-derived protein solutions. Moreover, governing agencies of numerous countries are introducing stringent regulatory standards at an early stage in the development of biotherapeutic products. These standards are escalating the demand for viral inactivation to ensure the quality, safety, and efficacy of these products, thereby reducing the risk of cross-contamination. Apart from this, improved viral inactivation technologies and products are being employed in the food and beverage (F&B) industry to help control the transmission of enteric viruses and assure the safety of products. This, in confluence with the development of new physical methods like supercritical fluids, gas plasma, and pulsed electric fields, is anticipated to increase the reliability, convenience, and suitability of viral inactivation, thereby driving the market.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global viral inactivation market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on product, application and end use.

#### Breakup by Product:

Reagents and Kits

Systems

Services

#### Breakup by Application:

Vaccines and Therapeutics

Stem Cell Products

Blood and Blood Products

Tissue and Tissue Products

## Cellular and Gene Therapy

### Breakup by End Use:

Pharmaceutical and Biotechnology Companies

CROs

Academic and Research Institutes

Others

### Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

#### Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Charles River Laboratories, Merck KGaA, Parker Hannifin Corp, Rad Source Technologies, Sartorius AG, SGS SA, Terumo Corporation, Texcell, Vironova AB and WuXi AppTec.

#### Key Questions Answered in This Report:

How has the global viral inactivation market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global viral inactivation market?

What are the key regional markets?

What is the breakup of the market based on the product?

What is the breakup of the market based on the application?

What is the breakup of the market based on the end use?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global viral inactivation market and who are the key players?

What is the degree of competition in the industry?

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