

# **Global Fetal Bovine Serum Market Size Study & Forecast, By Application (Drug Discovery, In-vitro Fertilization, Vaccine Production, Cell-based Research, Diagnostics, Others), By End-user (Pharmaceutical & Biotechnology Companies, Contract Research Organizations (CRO), Academic and Research Organizations, Others), and Regional Analysis, 2023-2030**

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## **Abstracts**

Global Fetal Bovine Serum Market is valued at approximately USD XX billion in 2022 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2023-2030. Fetal bovine serum (FBS), also referred to as fetal calf serum (FCS), serves as an indispensable ingredient in the media for cell culture, facilitating the cultivation of cells outside their natural environment in vitro. It is obtained from the blood of bovine fetuses harvested at slaughterhouses. FBS contains an abundance of growth factors, hormones, proteins, and other vital nutrients necessary for cell growth and maintenance. Moreover, the increasing investments in life sciences research, expansion of the biopharmaceutical industry, and rising demand for biologics are anticipated to create a lucrative demand for the market during the forecast period 2023-2030.

Additionally, the growing biopharmaceutical industry plays a significant role in supporting the growth of the fetal bovine serum (FBS) market. Biopharmaceutical companies rely heavily on cell culture techniques for the development and production of therapeutic proteins, vaccines, and cell-based therapies. FBS serves as a critical supplement in cell culture media, providing essential nutrients, growth factors, and

hormones necessary for the growth and proliferation of cells. As the biopharmaceutical industry expands and innovates, the demand for FBS increases proportionally. According to Statista, in 2020, the global biopharmaceuticals market was valued at USD 291.4 billion; in 2022 the market reached USD 403.1 billion, and it is anticipated to reach USD 570.1 billion by 2025. As a result, the growing biopharmaceuticals industry is anticipated to create a lucrative opportunity for the market. Moreover, the growing biotechnology and pharmaceutical industries and the rise in R&D investments are anticipated to create a lucrative opportunity for the market. However, the high cost and chances of contamination, and the increase in the use of alternatives stifles market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Fetal Bovine Serum Market study include Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 owing to the growing biopharmaceutical research and development, increasing demand for vaccines, rising prevalence of chronic diseases, continuous advancements in cell culture techniques, and supportive regulatory environment in the region. Whereas the Asia Pacific is expected to grow with the fastest growth rate during the forecast period, owing to factors such as the increasing funding for life sciences research, rising investments in bioprocessing infrastructure, growing biotechnology and life sciences industry, expansion of academic and research institutions, and increasing awareness and adoption of cell culture technologies in the region.

Major market players included in this report are:

Thermo Fisher Scientific Inc.

Sartorius AG

Danaher Corporation

Merck KGaA

HiMedia Laboratories

Bio-Techne Corporation

PAN-Biotech GmbH

Atlas Biologicals, Inc.

Rocky Mountain Biologicals

Biowest

Recent Developments in the Market:

In December 2021, Thermo Fisher, Inc. completed the acquisition of PPD, Inc., a leading U.S.-based provider of clinical research services catering to the pharmaceutical and biotechnology sectors. With this strategic move, Thermo Fisher aims to bolster its portfolio and provide expanded and enhanced services to its biotechnology and pharmaceutical clientele. As a result, the expanded offerings and enhanced services are likely to support the growth of the Fetal Bovine Serum Market by facilitating more efficient and effective research and development processes within the pharmaceutical and biotechnology industries.

Global Fetal Bovine Serum Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered - Application, End-user, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope\*

The objective of the study is to define the market sizes of different segments & countries in recent years and to forecast the values for the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters to detailed information about the crucial aspects such as driving factors & challenges that will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with a detailed analysis of the competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Application:

Drug Discovery

In-vitro Fertilization

Vaccine Production

Cell-based Research

Diagnostics

Others

By End-user:

Pharmaceutical & Biotechnology Companies

Contract Research Organizations (CROs)

Academic And Research Organizations

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of the Middle East & Africa

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