

Global Bio Pharma Buffer Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Bio Pharma Buffer market size was valued at US\$ 994 million in 2024 and is forecast to a readjusted size of USD 1591 million by 2031 with a CAGR of 7.0% during review period.

A buffer solution is comprised of a weak conjugate acid-base pair, for example, a weak acid and its conjugate base, or a weak base and its conjugate acid. Small quantities of other acids or bases are neutralized when added to the solution, and as a result, the solution resists changes in pH. Solutions with stable pH are required for the processing of protein-based biologic APIs because of their sensitivity to changes in pH. The stable pH range and capacity (the amount of acid/base that can be added without a change in pH) of a buffer are determined by the conjugate acid-base pair.

Most purification steps for downstream processing of biologics require buffers to equilibrate, condition, wash, elute, or concentrate the product. They are used in product isolation and purification steps to facilitate protein capture and polishing and also in the filtration process for the removal of viruses or depyrogenation. Aqueous solutions are also required for cleaning and disinfecting downstream processing equipment, such as chromatography matrices and membrane filtration systems. The main equipment involved in downstream processing with buffers includes mixers for buffer preparation, as well as equipment for purification, including packed-bed chromatography systems, fluidized beds, ultrafiltration and diafiltration membranes, microfiltration membranes, depth filtration cartridges, and virus-removal systems.

The key players are Avantor, Alfa Aesar (Thermo Fisher), Merck, Lonza, Bio-Rad, BD, GE, Healthcare, Promega Corporation, Hamilton Company, XZL BIO-TECHNOLOGY,

SRL and so on. According to the revenue of these companies, we can know that the Bio Pharma Buffer industry is relative concentrated. Because the top 6 companies have more than 70% market share.

This report is a detailed and comprehensive analysis for global Bio Pharma Buffer market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Bio Pharma Buffer market size and forecasts, in consumption value (\$ Million), sales quantity (K Liter), and average selling prices (USD/Liter), 2020-2031

Global Bio Pharma Buffer market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Liter), and average selling prices (USD/Liter), 2020-2031

Global Bio Pharma Buffer market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Liter), and average selling prices (USD/Liter), 2020-2031

Global Bio Pharma Buffer market shares of main players, shipments in revenue (\$ Million), sales quantity (K Liter), and ASP (USD/Liter), 2020-2025

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Bio Pharma Buffer

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Bio Pharma Buffer market based on the

following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Avantor, Alfa Aesar (Thermo Fisher), Merck, Lonza, Bio-Rad, BD, GE Healthcare, Promega Corporation, Hamilton Company, XZL BIO-TECHNOLOGY, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Bio Pharma Buffer market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Phosphates Type

Acetates Type

TRIS Type

Others

Market segment by Application

Research Institution

Pharmaceutical Industry

Others

Major players covered

Avantor

Alfa Aesar (Thermo Fisher)

Merck

Lonza

Bio-Rad

BD

GE Healthcare

Promega Corporation

Hamilton Company

XZL BIO-TECHNOLOGY

SRL

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Bio Pharma Buffer product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Bio Pharma Buffer, with price, sales quantity, revenue, and global market share of Bio Pharma Buffer from 2020 to 2025.

Chapter 3, the Bio Pharma Buffer competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Bio Pharma Buffer breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and Bio Pharma Buffer market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Bio Pharma Buffer.

Chapter 14 and 15, to describe Bio Pharma Buffer sales channel, distributors, customers, research findings and conclusion.

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