

# Protease Market - Forecasts from 2020 to 2025

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## Abstracts

The protease market is expected to grow at a compound annual growth rate of 5.86% over the forecast period to reach a market size of US\$2.740 billion in 2025 from US\$1.947 billion in 2019. The growing demand for convenience food such as bakery product, juices and snacks in the developing countries is leading to an increased demand for protease in the Food and Beverage industry. Proteases perform precise reactions important for the production processes but have hardly any technical function in the downstream food products. For example, it can be used to tenderize meat. The private investments by companies in food enzymes is increasing and gaining more consumer attention than ever, which in turn is supporting the rapid growth of international proteas market. Furthermore, the enhancement of the product with technological advancements is considered to be one of the significant reasons for the increasing growth of proteas market. According to the different types, proteas is segmented into trypsin, renin, pepsin, bromelain, papain, alkaline protease, and others. Among all, the renin segment dominated the market. After renin, comes alkaline owing to its vast use in the foods & beverage industry, meat products and dairy. Proteases comes in different form such as powder, liquid, and others whereas the powder form enjoys a greater market share due to its use in the food products. Geographically, it is segmented into North America, Europe, Asia Pacific etc. where North America dominates the market but the market in Asia Pacific is fastest growing due to the emerging markets of China and India.

## INCREASING APPLICATION IN FOOD & BEVERAGE DRIVING THE MARKET GROWTH

Several food enzymes such as Carbohydrase, Protease, Lipase, and others have significantly made their way in an increasing number of food and beverage industries across the globe, thus accelerating the growth of the market. Alkaline proteases are used in the preparation of protein hydrolysates of high nutritional value with a well-

defined peptide profile. It also plays an important role in meat tenderization, especially beef. Among the seafood products, food enzymes, particularly protease are catalyzed for the various benefits such as improved oil separation and higher yield, thus saving energy, enhanced protein value, and digestibility with better functional property, fat- and water-binding. Among all, Asia-Pacific region is the fastest-growing due to the economic and operational benefits of proteases. They are presenting an untapped potential for the growth of protease enzymes in the food, detergent, as well as pharmaceutical industries. The protease market is witnessing rapid growth due to the increasing demand for processed food and animal feed industry in the region and wide applications of the enzymes including protease in the processed food industry are driving the market in Asian region.

## COVID-19 IMPACT

The Covid-19 outbreak has affected the global proteases in several ways. For instance, it directly affected production and demand, caused disruption in supply chain and market while also impacting the financial markets and financial strongholds of large companies. The COVID-19 has laid effects in many aspects, like flight cancellations, ban on travel and quarantines which lead to closed restaurants and no outdoor dining or events.

## REGIONAL SNAPSHOT

The global proteases market share is fairly fragmented. Some of the major importers of protease enzymes includes U.S., Germany, and the Netherlands. The key industrial players include Chr. Hansen, DuPont, Associated British Food, Amano, Advanced Enzymes Technologies, Dyadic International, DSM and Novozymes. These major participants possess a significant growth in product development along with production expansion which drives the growth in the industry.

The key players have intensely embarked on industry consolidation by leveraging their distribution network, entering into partnerships with local distributors, especially in the emerging economies. Various companies adopt strategic acquisitions by taking under consideration preferences of consumers and geographical demands, thus mergers and acquisitions also play an important role in the industry consolidation the proteases industry.

## SEGMENTATION

**By Form**

Powder

Liquid

Others

**By Application**

Animal feed industry

Food &amp; Beverage industry

Others

**By Geography**

North America

The United States

Canada

Mexico

South America

Brazil

Argentina

Others

Europe

Germany

The United Kingdom

France

Italy

Others

Middle East and Africa

Saudi Arabia

The United Arab Emirates

Others

Asia Pacific

Japan

China

India

Singapore

Others

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List is not exhaustive\*

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