

# Lactase Market Forecasts to 2032 – Global Analysis By Type (Neutral Lactase, Acid Lactase, and Other Types), Source, Form, Distribution Channel, Application and By Geography

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## Abstracts

According to Statistics MRC, the Global Lactase Market is accounted for \$313.74 million in 2025 and is expected to reach \$548.25 million by 2032 growing at a CAGR of 8.3% during the forecast period. Lactase is an enzyme produced in the small intestine that breaks down lactose, the sugar found in milk and dairy products, into two simpler sugars: glucose and galactose. This process is essential for proper digestion and absorption of lactose in the body. In individuals with lactose intolerance, lactase production is reduced, leading to digestive discomfort when consuming dairy. Lactase supplements are often used to help manage symptoms. It plays a vital role in maintaining healthy digestion, especially in early childhood.

According to the National Center for Biotechnology Information (NCBI), nearly 65% of the global population is prone to lactase deficiency.

Market Dynamics:

Driver:

Rising prevalence of lactose intolerance

The use of lactase enzymes in food and medication is increasing as people with digestive issues look for efficient remedies. Increased awareness regarding lactose intolerance has prompted consumers to look for dairy alternatives and digestive aids. Additionally, scientific research continues to highlight the benefits of lactase

supplementation, encouraging greater market adoption. Governments and healthcare organizations are actively promoting awareness campaigns, further supporting market growth. Consequently, the rising prevalence of lactose intolerance is a major driver of the lactase market.

#### Restraint:

##### Stringent regulatory requirements

Rigorous quality control requirements must be met by manufacturers in order to guarantee the efficacy and safety of lactase-based products. The approval process for lactase formulations can be lengthy, leading to delays in product launches. Additionally, compliance with international trade regulations adds complexity for companies looking to expand their market reach. Variations in food and drug safety regulations across different regions further hinder seamless market penetration.

#### Opportunity:

##### Increasing demand for dairy alternatives

Plant-based milk and dairy-free products have gained traction among health-conscious and lactose-intolerant consumers. Food manufacturers are actively incorporating lactase enzymes to improve the digestibility of dairy alternatives while maintaining taste and texture. The rise of veganism and flexitarian diets further fuels demand for dairy-free options. Companies investing in lactose-free product development are poised to capitalize on this expanding market segment. Advancements in food technology continue to enhance the quality and accessibility of dairy alternatives.

#### Threat:

##### Availability of alternative digestion aids

Consumers with lactose intolerance can choose from various probiotics and enzyme supplements that aid digestion without relying on lactase. Additionally, dairy-free formulations eliminate the need for lactase-based solutions, potentially limiting market expansion. Some consumers prefer natural remedies such as fermented foods to manage lactose digestion issues. Continuous innovation in digestive health supplements may further increase competition within the market. Businesses must differentiate their products to maintain relevance amid evolving consumer preferences.

## Covid-19 Impact

The COVID-19 pandemic had a mixed impact on the lactase market, influencing production, distribution, and consumer demand. Supply chain disruptions led to shortages in raw materials, temporarily affecting lactase enzyme availability. However, heightened health awareness during the pandemic encouraged consumers to seek digestive health solutions, boosting market interest. Post-pandemic, the demand for functional foods and nutraceuticals continues to rise, benefiting lactase product adoption. Moreover, research into immune-supportive food formulations increased, indirectly benefiting lactase-enhanced dairy products.

The neutral lactase segment is expected to be the largest during the forecast period

The neutral lactase segment is expected to account for the largest market share during the forecast period, due to its widespread application across food and pharmaceutical industries. This segment offers improved stability and functionality in diverse product formulations, enhancing digestibility without compromising taste. The neutral lactase enzyme is also widely utilized in infant nutrition and medical applications. Its ability to work efficiently across various pH conditions further strengthens its market appeal.

The pharmaceuticals segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the pharmaceuticals segment is predicted to witness the highest growth rate, driven by the rising awareness of lactose-related digestive disorders. Lactase enzymes are increasingly being incorporated into medications and dietary supplements to improve digestive health. Additionally, healthcare professionals recommend lactase-based treatments to enhance digestive enzyme balance in patients. Advancements in enzyme formulation technology further boost pharmaceutical applications for lactase enzymes.

Region with largest share:

During the forecast period, the Asia Pacific region is expected to hold the largest market share due to its thriving dairy industry and rising lactose intolerance prevalence. Countries such as China, India, and Japan are witnessing increased consumer interest in lactose-free dairy products. Government regulations promoting digestive health awareness further contribute to market expansion in this region. Additionally,

advancements in enzyme manufacturing technology boost local production and innovation. The presence of major food and pharmaceutical companies accelerates market adoption and distribution strategies.

Region with highest CAGR:

Over the forecast period, the North America region is anticipated to exhibit the highest CAGR, owing to its strong consumer preference for functional food and digestive health solutions. The rising adoption of lactose-free products and dietary supplements fuels market expansion across the region. Companies in the U.S. and Canada are investing in research and development to enhance lactase enzyme formulations. Regulatory support for enzyme-based solutions contributes to market growth and innovation.

Key players in the market

Some of the key players profiled in the Lactase Market include DSM, Novozymes, Kerry Group plc, IFF, Advanced Enzyme Technologies, Amano Enzyme Inc., Chr. Hansen Holding A/S, Senson, Merck KGaA (Sigma-Aldrich), Antozyme Biotech Pvt. Ltd., Infinita Biotech Private Limited, Aumgene Biosciences, Biolaxi Enzymes Pvt. Ltd., Creative Enzymes, and Nature BioScience Pvt. Ltd.

Key Developments:

In March 2025, DSM-firmenich Animal Nutrition & Health has announced a partnership with Zenkei Company Limited, a premier livestock nutrition company, to advance sustainability in Japan's feed and egg production sectors. The two organisations have signed a Memorandum of Understanding (MOU) to implement dsm-firmenich's Sustell™, the industry-leading life cycle assessment (LCA) platform to measure and improve the environmental footprint of animal proteins.

In March 2024, Denmark CET. University of California San Diego, among the world's top-20 research universities, and the global leader in biosolutions Novonesis are excited to launch the establishment of a leading research consortium aimed at setting a new standard for collaboration and accelerating discoveries and knowledge in Human Milk Oligosaccharides (HMOs) science.

Types Covered:

Neutral Lactase

Acid Lactase

Other Types

Sources Covered:

Yeast

Fungi

Bacteria

Forms Covered:

Powdered Lactase

Liquid Lactase

Distribution Channels Covered:

Supermarkets/Hypermarkets

Online Stores

Specialty Stores

Other Distribution Channels

Applications Covered:

Food & Beverages

Dietary Supplements

Pharmaceuticals

Animal Feed

Other Applications

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

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
- Strategic recommendations for the new entrants
- Covers Market data for the years 2022, 2023, 2024, 2026, and 2030
- 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

#### Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

##### Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

##### Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

##### Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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