

Precision Fermentation Market Size, Trends, Analysis, and Outlook By Type (Bacteria, Yeast, Algae, Fungi, Others), By Ingredient (Egg White, Whey and Casein Protein, Collagen Protein, Hemeprotein), By End-User (Food and Beverage, Pharmaceutical, Cosmetic, Others), By Application (Dairy, Egg, Others, Meat, Seafood), by Country, Segment, and Companies, 2024-2032

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Abstracts

Global Precision Fermentation Market Size is valued at \$4.1 Billion in 2024 and is forecast to register a growth rate (CAGR) of 38.6% to reach \$55.8 Billion by 2032.

The precision fermentation market is witnessing significant growth, driven by rising demand for sustainable and innovative food production methods. As individuals seek alternatives to traditional agriculture and animal husbandry, precision fermentation is gaining traction for its ability to produce proteins, enzymes, and other ingredients with reduced environmental impact. The trend towards plant-based diets and clean label products is influencing purchasing behavior, with consumers favoring brands that prioritize sustainability and transparency. Additionally, innovations in fermentation technology are expanding market access and appealing to a broader audience seeking healthier food options.

Precision Fermentation Market Drivers, Trends, Opportunities, and Growth Opportunities

The comprehensive report presents unique market trends and challenges shaping the

outlook for industry stakeholders. The Future of Precision Fermentation survey report provides the market size outlook across types, applications, and segments globally and regionally. It also offers data-driven insights and actionable recommendations for companies in the Precision Fermentation industry.

Key market trends defining the global Precision Fermentation demand in 2025 and Beyond

The Precision Fermentation industry remains an attractive hub for both domestic and global vendors. As we enter 2025, demand from end-user sectors, changes in consumption patterns, new product launches, and widening distribution channels will play major roles.

Precision Fermentation Market Segmentation- Industry Share, Market Size, and Outlook to 2032

Rising demand for diverse products and applications fuels the increased investments in niche segments. Leading companies focus on generating a large share of their future revenue growth by expanding into these niche segments. The report presents a market size outlook across segments, supporting companies scaling up production with a focus on potential countries.

Key strategies adopted by companies within the Precision Fermentation industry

Leading Precision Fermentation companies are boosting investments to capitalize on untapped potential and future possibilities across niche market segments and surging demand conditions. In particular, companies that leverage advanced technologies to achieve operational excellence are set to gain significant revenues. The report details the key strategies adopted by the top 10 Precision Fermentation companies.

Precision Fermentation Market Study- Strategic Analysis Review

The market research report dives deep into qualitative factors shaping the market, empowering you to make informed decisions.

- Industry Dynamics: Porter's Five Forces analysis to understand bargaining power, competitive rivalry, and threats that impact long-term strategy formulation.

- Strategic Insights: Provides valuable perspectives on key players and their

approaches based on comprehensive strategy analysis.

- Internal Strengths and Weaknesses: Develop targeted strategies to leverage strengths, address weaknesses, and capitalize on market opportunities.
- Future Possibilities: Prepare for diverse outcomes with in-depth scenario analysis. Explore potential market disruptions, technology advancements, and economic changes.

Precision Fermentation Market Size Outlook- Historic and Forecast Revenue in Three Cases

The Precision Fermentation industry report provides a detailed analysis and outlook of revenue generated by companies from 2018 to 2023. With actual data for 2023, the report forecasts the market size outlook from 2024 to 2032 in three scenarios: low case, reference case, and high case.

Precision Fermentation Country Analysis and Revenue Outlook to 2032

The report analyzes 22 countries worldwide, including key driving forces and market size outlook from 2021 to 2032. Additionally, it includes region analysis across Asia Pacific, Europe, the Middle East, Africa, North America, and South America. For each region, the market size outlook by segments is forecast for 2032.

North America Precision Fermentation Market Size Outlook- Companies plan for focused investments in a changing environment

The US remains the market leader in North America, driven by a large consumer base, well-established providers, and strong infrastructure. Leading companies focus on new product launches in a changing environment. The US GDP is expected to grow from \$28,781.1 Billion in 2024 to \$36,621 Billion in 2030, driving demand for various Precision Fermentation market segments. Similarly, strong market demand encourages Canadian Precision Fermentation companies to invest in niche segments. Mexico's investment in technological advancements positions it for significant market expansion.

Europe Precision Fermentation Market Size Outlook- Companies investing in assessing consumers, categories, competitors, and capabilities.

The German Precision Fermentation industry remains the major market for companies

in the European Precision Fermentation industry with consumers in Germany, France, the UK, Spain, Italy, and others anticipated to register a steady demand throughout the forecast period, driving the overall market prospects. In addition, the proactive approach of vendors in identifying and leveraging new growth prospects positions the European Precision Fermentation market fostering both domestic and international interest. Leading brands operating in the industry are emphasizing effective marketing strategies, innovative product offerings, and addressing niche consumer segments.

Asia Pacific Precision Fermentation Market Size Outlook- an attractive hub for opportunities for both local and global companies

The increasing pool of consumer base, robust consumption expenditure, and increasing investments in manufacturing drive the demand for Precision Fermentation in Asia Pacific. In particular, China, India, and South East Asian Precision Fermentation markets present a compelling outlook for 2032, attracting both domestic and multinational vendors seeking growth opportunities. Similarly, with a burgeoning population and a rising middle class, India offers a vast consumer market. Japanese and Korean companies are quickly aligning their strategies to navigate market changes, explore new markets, and enhance their competitive edge. Our report utilizes in-depth interviews with industry experts and comprehensive data analysis to provide a comprehensive outlook of 6 major countries in the APAC region.

Latin America Precision Fermentation Market Size Outlook- Continued urbanization and rising income levels

Rising income levels contribute to higher purchasing power among consumers, spurring consumption and creating opportunities for market expansion. Continued urbanization and rising income levels are expected to sustainably drive consumption growth in the medium to long term.

Middle East and Africa Precision Fermentation Market Size Outlook- continues its upward trajectory across segments.

Robust demand from Middle Eastern countries including Saudi Arabia, the UAE, Qatar, Kuwait, and other GCC countries supports the overall Middle East Precision Fermentation market potential. Fuelled by increasing consumption expenditure of individuals and growing population drive the demand for Precision Fermentation.

Precision Fermentation Company Profiles

The global Precision Fermentation market is characterized by intense competitive conditions with leading companies opting for aggressive marketing to gain market shares. The report presents business descriptions, SWOT analysis, growth strategies, and financial profiles. The leading companies included in the study are Better Dairy Ltd, Clara Foods Co., FUMI INGREDIENTS BV, Geltor Inc, Ginkgo Bioworks Holdings Inc, HENI INNOVATION PVT. Ltd, Imagindairy Ltd, Impossible Foods Inc, Laurus Labs Ltd, Melt and Marble AB, Mycorena AB, New Culture, Nourish Ingredients Pty Ltd, Perfect Day Inc, Remilk Ltd, Shiru Inc, Triton Algae Innovations.

Recent Precision Fermentation Market Developments

The global Precision Fermentation market study presents recent market news and developments including new product launches, mergers, acquisitions, expansions, product approvals, and other updates in the industry.

Precision Fermentation Market Report Scope

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2032 (Forecast Period)

Currency: USD; (Upon request, can be provided in Euro, JPY, GBP, and other Local Currency)

Qualitative Analysis

Pricing Analysis

Value Chain Analysis

SWOT Profile

Market Dynamics- Trends, Drivers, Challenges

Porter's Five Forces Analysis

Macroeconomic Impact Analysis

Case Scenarios- Low, Base, High

Market Segmentation:

By Type

Bacteria

Yeast

Algae

Fungi

Others

By Ingredient

Egg White

Whey and Casein Protein

Collagen Protein

Hemeprotein

By End-User

Food and Beverage

Pharmaceutical

Cosmetic

Others

By Application

Dairy

Egg

Others

Meat

Seafood

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

Companies

Better Dairy Ltd

Clara Foods Co.

FUMI INGREDIENTS BV

Geltor Inc

Ginkgo Bioworks Holdings Inc

HENI INNOVATION PVT. Ltd

Imagindairy Ltd

Impossible Foods Inc

Laurus Labs Ltd

Melt and Marble AB

Mycorena AB

New Culture

Nourish Ingredients Pty Ltd

Perfect Day Inc

Remilk Ltd

Shiru Inc

Triton Algae Innovations

Formats Available: Excel, PDF, and PPT

Contents

CHAPTER 1: EXECUTIVE SUMMARY

- 1.1 Study Scope
- 1.2 Market Definition
- 1.3 Report Guide
 - 1.3.1 Country Coverage
 - 1.3.2 Companies Profiled
 - 1.3.3 Study Period: 2018 to 2023 and 2024 to 2032
 - 1.3.4 Units
- 1.4 Abbreviations

CHAPTER 2. PRECISION FERMENTATION MARKET OVERVIEW- 2025

- 2.1 An Introduction to the Global Precision Fermentation Markets
- 2.2 Key Statistics
- 2.3 Region Benchmarking, 2024
- 2.4 Country Positioning Matrix, 2024

CHAPTER 3. STRATEGIC ANALYSIS REVIEW

- 3.1 Precision Fermentation Industry Stakeholders
- 3.2 Value Chain Analysis
- 3.3 Porter's Five Forces Analysis
- 3.4 SWOT Profile
- 3.5 Recent Market Developments

CHAPTER 4. IMPACT ANALYSIS AND SCENARIO FORECASTS

- 4.1 Russia-Ukraine Conflict Analysis
- 4.2 COVID-19: Post Pandemic Recovery Analysis
- 4.3 US Inflation and Sluggish Growth in China
- 4.4 Focus on Sustainability
- 4.5 Low Growth Case Scenario: Global Precision Fermentation Market Outlook to 2032
- 4.6 Reference Case Scenario: Global Precision Fermentation Market Outlook to 2032
- 4.7 High Growth Case Scenario: Global Precision Fermentation Market Outlook to 2032

CHAPTER 5: PRECISION FERMENTATION MARKET DYNAMICS

Precision Fermentation Market Size, Trends, Analysis, and Outlook By Type (Bacteria, Yeast, Algae, Fungi, Othe...

- 5.1 Key Precision Fermentation Market Trends
- 5.2 Potential Precision Fermentation Market Opportunities
- 5.3 Key Market Challenges

CHAPTER 6: GLOBAL PRECISION FERMENTATION MARKET ANALYSIS AND OUTLOOK TO 2032

6.1 Global Market Outlook by Segments, 2021 to 2032

6.2 Type

Bacteria

Yeast

Algae

Fungi

Others

Ingredient

Egg White

Whey and Casein Protein

Collagen Protein

Hemeprotein

End-User

Food and Beverage

Pharmaceutical

Cosmetic

Others

Application

Dairy

Egg

Others

Meat

Seafood

6.3 Global Market Outlook by Region, 2021 to 2032

CHAPTER 7: NORTH AMERICA PRECISION FERMENTATION MARKET ANALYSIS AND OUTLOOK TO 2032

7.1 North America Market Outlook by Segments, 2021- 2032

7.2 Type

Bacteria

Yeast
Algae
Fungi
Others
Ingredient
Egg White
Whey and Casein Protein
Collagen Protein
Hemeprotein
End-User
Food and Beverage
Pharmaceutical
Cosmetic
Others
Application
Dairy
Egg
Others
Meat
Seafood

7.3 North America Market Outlook by Country, 2021- 2032

7.3.1 United States Precision Fermentation Market Size Forecast, 2021- 2032

7.3.2 Canada Precision Fermentation Market Size Forecast, 2021- 2032

7.3.3 Mexico Precision Fermentation Market Size Forecast, 2021- 2032

CHAPTER 8: EUROPE PRECISION FERMENTATION MARKET ANALYSIS AND OUTLOOK TO 2032

8.1 Europe Market Outlook by Segments, 2021- 2032

8.2 Type

Bacteria
Yeast
Algae
Fungi
Others
Ingredient
Egg White
Whey and Casein Protein
Collagen Protein

Hemeprotein

End-User

Food and Beverage

Pharmaceutical

Cosmetic

Others

Application

Dairy

Egg

Others

Meat

Seafood

8.3 Europe Market Outlook by Country, 2021- 2032

8.3.1 Germany Precision Fermentation Market Size Forecast, 2021- 2032

8.3.2 France Precision Fermentation Market Size Forecast, 2021- 2032

8.3.3 United Kingdom Precision Fermentation Market Size Forecast, 2021- 2032

8.3.4 Spain Precision Fermentation Market Size Forecast, 2021- 2032

8.3.5 Italy Precision Fermentation Market Size Forecast, 2021- 2032

8.3.6 Russia Precision Fermentation Market Size Forecast, 2021- 2032

8.3.7 Rest of Europe Precision Fermentation Market Size Forecast, 2021- 2032

CHAPTER 9: ASIA PACIFIC PRECISION FERMENTATION MARKET ANALYSIS AND OUTLOOK TO 2032

9.1 Asia Pacific Market Outlook by Segments, 2021- 2032

9.2 Type

Bacteria

Yeast

Algae

Fungi

Others

Ingredient

Egg White

Whey and Casein Protein

Collagen Protein

Hemeprotein

End-User

Food and Beverage

Pharmaceutical

Cosmetic
Others
Application
Dairy
Egg
Others
Meat
Seafood

9.3 Asia Pacific Market Outlook by Country, 2021- 2032

- 9.3.1 China Precision Fermentation Market Size Forecast, 2021- 2032
- 9.3.2 India Precision Fermentation Market Size Forecast, 2021- 2032
- 9.3.3 Japan Precision Fermentation Market Size Forecast, 2021- 2032
- 9.3.4 South Korea Precision Fermentation Market Size Forecast, 2021- 2032
- 9.3.5 Australia Precision Fermentation Market Size Forecast, 2021- 2032
- 9.3.6 South East Asia Precision Fermentation Market Size Forecast, 2021- 2032
- 9.3.7 Rest of Asia Pacific Precision Fermentation Market Size Forecast, 2021- 2032

CHAPTER 10: SOUTH AMERICA PRECISION FERMENTATION MARKET ANALYSIS AND OUTLOOK TO 2032

10.1 South America Market Outlook by Segments, 2021- 2032

10.2 Type
Bacteria
Yeast
Algae
Fungi
Others
Ingredient
Egg White
Whey and Casein Protein
Collagen Protein
Hemeprotein
End-User
Food and Beverage
Pharmaceutical
Cosmetic
Others
Application
Dairy

Egg

Others

Meat

Seafood

10.3 South America Market Outlook by Country, 2021- 2032

10.3.1 Brazil Precision Fermentation Market Size Forecast, 2021- 2032

10.3.2 Argentina Precision Fermentation Market Size Forecast, 2021- 2032

10.3.3 Rest of South America Precision Fermentation Market Size Forecast, 2021- 2032

CHAPTER 11: MIDDLE EAST AND AFRICA PRECISION FERMENTATION MARKET ANALYSIS AND OUTLOOK TO 2032

11.1 Middle East and Africa Market Outlook by Segments, 2021- 2032

11.2 Type

Bacteria

Yeast

Algae

Fungi

Others

Ingredient

Egg White

Whey and Casein Protein

Collagen Protein

Hemeprotein

End-User

Food and Beverage

Pharmaceutical

Cosmetic

Others

Application

Dairy

Egg

Others

Meat

Seafood

11.3 Middle East and Africa Market Outlook by Country, 2021- 2032

11.3.1 Saudi Arabia Precision Fermentation Market Size Forecast, 2021- 2032

11.3.2 The UAE Precision Fermentation Market Size Forecast, 2021- 2032

11.3.3 Rest of Middle East Precision Fermentation Market Size Forecast, 2021- 2032

11.3.4 South Africa Precision Fermentation Market Size Forecast, 2021- 2032

11.3.4 Rest of Africa Precision Fermentation Market Size Forecast, 2021- 2032

CHAPTER 12: COMPETITIVE LANDSCAPE

12.1 Competitive Analysis- Product Profile, SWOT, Financial Profiles

12.2 Key Companies Profiled in the Study

12.3 Better Dairy Ltd

Clara Foods Co.

FUMI INGREDIENTS BV

Geltor Inc

Ginkgo Bioworks Holdings Inc

HENI INNOVATION PVT. Ltd

Imagindairy Ltd

Impossible Foods Inc

Laurus Labs Ltd

Melt and Marble AB

Mycorena AB

New Culture

Nourish Ingredients Pty Ltd

Perfect Day Inc

Remilk Ltd

Shiru Inc

Triton Algae Innovations

CHAPTER 13: SOURCES AND RESEARCH METHODOLOGY

13.1 Primary and Secondary Sources

13.2 Research Methodology

13.3 Data Triangulation and Validation

13.4 Assumptions and Limitations

13.5 Forecast Methodology

Appendix

A: Highlights of the Q4-2024 Version

B: Conclusion and Future Recommendations

C: Customization Options

D: Contact Information

List Of Figures

LIST OF FIGURES

Figure 1: Country Analysis: Largest Market Share (%) - 2024 vs. 2032

Figure 2: GDP (Current Prices) Outlook by Country, 2010- 2032

Figure 3: Population Outlook by Country, 2010- 2032

Figure 4: Inflation Outlook by Country (%), 2024- 2032

Figure 5: Global Precision Fermentation Market Outlook by Type, 2021- 2032

Figure 6: Global Precision Fermentation Market Outlook by Application, 2021- 2032

Figure 7: Global Precision Fermentation Market Outlook by Region, 2021- 2032

Figure 8: North America Precision Fermentation Market Snapshot, Q4-2024

Figure 9: North America Precision Fermentation Market Size Forecast by Type, 2021- 2032

Figure 10: North America Precision Fermentation Market Size Forecast by Application, 2021- 2032

Figure 11: North America Precision Fermentation Market Share by Country, 2023

Figure 12: Europe Precision Fermentation Market Snapshot, Q4-2024

Figure 13: Europe Precision Fermentation Market Size Forecast by Type, 2021- 2032

Figure 14: Europe Precision Fermentation Market Size Forecast by Application, 2021- 2032

Figure 15: Europe Precision Fermentation Market Share by Country, 2023

Figure 16: Asia Pacific Precision Fermentation Market Snapshot, Q4-2024

Figure 17: Asia Pacific Precision Fermentation Market Size Forecast by Type, 2021- 2032

Figure 18: Asia Pacific Precision Fermentation Market Size Forecast by Application, 2021- 2032

Figure 19: Asia Pacific Precision Fermentation Market Share by Country, 2023

Figure 20: South America Precision Fermentation Market Snapshot, Q4-2024

Figure 21: South America Precision Fermentation Market Size Forecast by Type, 2021- 2032

Figure 22: South America Precision Fermentation Market Size Forecast by Application, 2021- 2032

Figure 23: South America Precision Fermentation Market Share by Country, 2023

Figure 24: Middle East and Africa Precision Fermentation Market Snapshot, Q4-2024

Figure 25: Middle East and Africa Precision Fermentation Market Size Forecast by Type, 2021- 2032

Figure 26: Middle East and Africa Precision Fermentation Market Size Forecast by Application, 2021- 2032

Figure 27: Middle East and Africa Precision Fermentation Market Share by Country, 2023

Figure 28: United States Precision Fermentation Market Size Outlook, \$ Million, 2021-2032

Figure 29: Canada Precision Fermentation Market Size Outlook, \$ Million, 2021- 2032

Figure 30: Mexico Precision Fermentation Market Size Outlook, \$ Million, 2021- 2032

Figure 31: Germany Precision Fermentation Market Size Outlook, \$ Million, 2021- 2032

Figure 32: France Precision Fermentation Market Size Outlook, \$ Million, 2021- 2032

Figure 33: United Kingdom Precision Fermentation Market Size Outlook, \$ Million, 2021- 2032

Figure 34: Spain Precision Fermentation Market Size Outlook, \$ Million, 2021- 2032

Figure 35: Italy Precision Fermentation Market Size Outlook, \$ Million, 2021- 2032

Figure 36: Russia Precision Fermentation Market Size Outlook, \$ Million, 2021- 2032

Figure 37: Rest of Europe Precision Fermentation Market Size Outlook, \$ Million, 2021-2032

Figure 38: China Precision Fermentation Market Size Outlook, \$ Million, 2021- 2032

Figure 39: India Precision Fermentation Market Size Outlook, \$ Million, 2021- 2032

Figure 40: Japan Precision Fermentation Market Size Outlook, \$ Million, 2021- 2032

Figure 41: South Korea Precision Fermentation Market Size Outlook, \$ Million, 2021-2032

Figure 42: Australia Precision Fermentation Market Size Outlook, \$ Million, 2021- 2032

Figure 43: South East Asia Precision Fermentation Market Size Outlook, \$ Million, 2021- 2032

Figure 44: Rest of APAC Precision Fermentation Market Size Outlook, \$ Million, 2021-2032

Figure 45: Brazil Precision Fermentation Market Size Outlook, \$ Million, 2021- 2032

Figure 46: Argentina Precision Fermentation Market Size Outlook, \$ Million, 2021- 2032

Figure 47: Rest of LATAM Precision Fermentation Market Size Outlook, \$ Million, 2021-2032

Figure 48: Saudi Arabia Precision Fermentation Market Size Outlook, \$ Million, 2021-2032

Figure 49: UAE Precision Fermentation Market Size Outlook, \$ Million, 2021- 2032

Figure 50: South Africa Precision Fermentation Market Size Outlook, \$ Million, 2021-2032

Figure 51: Research Methodology

Figure 52: Forecast Methodology

List Of Tables

LIST OF TABLES

Table 1: Market Scope and Segmentation

Table 2: Global Precision Fermentation Market Size Outlook, \$Million, 2021 to 2032

Table 3: Low Case Scenario Forecasts

Table 4: Reference Case Scenario Forecasts

Table 5: High Growth Scenario Forecasts

Table 6: Global Precision Fermentation Market Size Outlook by Segments, 2021- 2032

Table 7: Global Precision Fermentation Market Size Outlook by Region, 2021- 2032

Table 8: Country Mapping, 2023 vs. 2032

Table 9: North America- Precision Fermentation Market Outlook by Type, 2021- 2032

Table 10: North America- Precision Fermentation Market Outlook by Country, 2021- 2032

Table 11: Europe - Precision Fermentation Market Outlook by Type, 2021- 2032

Table 12: Europe - Precision Fermentation Market Outlook by Country, 2021- 2032

Table 13: Asia Pacific - Precision Fermentation Market Outlook by Type, 2021- 2032

Table 14: Asia Pacific - Precision Fermentation Market Outlook by Country, 2021- 2032

Table 15: South America- Precision Fermentation Market Outlook by Type, 2021- 2032

Table 16: South America- Precision Fermentation Market Outlook by Country, 2021- 2032

Table 17: Middle East and Africa - Precision Fermentation Market Outlook by Type, 2021- 2032

Table 18: Middle East and Africa - Precision Fermentation Market Outlook by Country, 2021- 2032

Table 19: Business Snapshots of Leading Precision Fermentation Companies

Table 20: Product Profiles of Leading Precision Fermentation Companies

Table 21: SWOT Profiles of Leading Precision Fermentation Companies

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