

Global mRNA Vaccine Core Enzyme Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global mRNA Vaccine Core Enzyme market size is expected to reach \$ 3349.5 million by 2029, rising at a market growth of -2.4% CAGR during the forecast period (2023-2029).

In the global market, the key players of mRNA Vaccine Core Enzyme are mainly Thermo Fisher, NEB, TriLink Bio Technologies, Merck, ect. The top three players within this industry hold about 40% of the market share. North America, Europe, and Asia-Pacific are the major manufacturing regions for this product, with North America accounting for about 38% of the global market share. The product can be classified on the basis of enzyme type into capsidases, 2'O-methyltransferases, inorganic pyrophosphatases, poly(A) polymerases, ribonuclease inhibitors, RNA polymerases, restriction endonucleases, deoxyribonucleases I, and other enzymes. These products are widely used by biopharmaceutical companies, academic and research institutions.

mRNA-vaccines can efficiently activate both components of the immune system, i.e., T-cell and humoral responses. The essential advantage of mRNA vaccines includes fast, inexpensive, scalable and uniform production providing a large output of desirable products in vitro. Synthesis and purification processes significantly simplify the process technology of mRNA drugs with injectable purity. Thus, mRNA production via in vitro transcription is more advantageous as compared with DNA-vaccines since it is a chemical process without the use of cells. mRNA techniques make it possible to pass all the phases of vaccine development much faster in comparison with the production of vaccines based on inactivated viruses or recombinant proteins. This property is critically important when designing vaccines against viral pathogens as the main problem of disease control includes a time gap between an epidemic and vaccine development.

mRNA vaccine core enzyme is the key raw material in the production of mRNA vaccine and drugs. In this report, mRNA vaccine core enzyme includes RNA Polymerase, Capping Enzyme, 2'-O-Methyltransferase, Inorganic Pyrophosphatase, Poly (A) Polymerase, RNase Inhibitor, RNA Polymerase, Restriction Enzyme, DNase I, etc.

mR

This report studies the global mRNA Vaccine Core Enzyme demand, key companies, and key regions.

This report is a detailed and comprehensive analysis of the world market for mRNA Vaccine Core Enzyme, and provides market size (US\$ million) and Year-over-Year (YoY) growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of mRNA Vaccine Core Enzyme that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global mRNA Vaccine Core Enzyme total market, 2018-2029, (USD Million)

Global mRNA Vaccine Core Enzyme total market by region & country, CAGR, 2018-2029, (USD Million)

U.S. VS China: mRNA Vaccine Core Enzyme total market, key domestic companies and share, (USD Million)

Global mRNA Vaccine Core Enzyme revenue by player and market share 2018-2023, (USD Million)

Global mRNA Vaccine Core Enzyme total market by Enzyme Type, CAGR, 2018-2029, (USD Million)

Global mRNA Vaccine Core Enzyme total market by Application, CAGR, 2018-2029, (USD Million).

This reports profiles major players in the global mRNA Vaccine Core Enzyme market based on the following parameters – company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies

covered as a part of this study include Thermo Fisher, NEB, TriLink Bio Technologies, Merck, Aldevron, Qiagen N.V., Promega, Roche CustomBiotech and Takara Bio Inc., etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World mRNA Vaccine Core Enzyme market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), by player, by regions, by Enzyme Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global mRNA Vaccine Core Enzyme Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global mRNA Vaccine Core Enzyme Market, Segmentation by Enzyme Type

Capping Enzyme

2'-O-Methyltransferase

Inorganic Pyrophosphatase

Poly (A) Polymerase

Rnase Inhibitor

RNA Polymerase

Restriction Enzyme

Dnase I

Others

Global mRNA Vaccine Core Enzyme Market, Segmentation by Application

Biopharmaceutical Companies

Academic and Research Institutes

Companies Profiled:

Thermo Fisher

NEB

TriLink Bio Technologies

Merck

Aldevron

Qiagen N.V.

Promega

Roche CustomBiotech

Takara Bio Inc.

Novoprotein

Vazyme

Hongene Biotech Corporatio

Yeasen Biotechnology

Key Questions Answered

1. How big is the global mRNA Vaccine Core Enzyme market?
2. What is the demand of the global mRNA Vaccine Core Enzyme market?
3. What is the year over year growth of the global mRNA Vaccine Core Enzyme market?
4. What is the total value of the global mRNA Vaccine Core Enzyme market?
5. Who are the major players in the global mRNA Vaccine Core Enzyme market?

Contents

1 SUPPLY SUMMARY

- 1.1 mRNA Vaccine Core Enzyme Introduction
- 1.2 World mRNA Vaccine Core Enzyme Market Size & Forecast (2018 & 2022 & 2029)
- 1.3 World mRNA Vaccine Core Enzyme Total Market by Region (by Headquarter Location)
 - 1.3.1 World mRNA Vaccine Core Enzyme Market Size by Region (2018-2029), (by Headquarter Location)
 - 1.3.2 United States mRNA Vaccine Core Enzyme Market Size (2018-2029)
 - 1.3.3 China mRNA Vaccine Core Enzyme Market Size (2018-2029)
 - 1.3.4 Europe mRNA Vaccine Core Enzyme Market Size (2018-2029)
 - 1.3.5 Japan mRNA Vaccine Core Enzyme Market Size (2018-2029)
 - 1.3.6 South Korea mRNA Vaccine Core Enzyme Market Size (2018-2029)
 - 1.3.7 ASEAN mRNA Vaccine Core Enzyme Market Size (2018-2029)
 - 1.3.8 India mRNA Vaccine Core Enzyme Market Size (2018-2029)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 mRNA Vaccine Core Enzyme Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 mRNA Vaccine Core Enzyme Major Market Trends

2 DEMAND SUMMARY

- 2.1 World mRNA Vaccine Core Enzyme Consumption Value (2018-2029)
- 2.2 World mRNA Vaccine Core Enzyme Consumption Value by Region
 - 2.2.1 World mRNA Vaccine Core Enzyme Consumption Value by Region (2018-2023)
 - 2.2.2 World mRNA Vaccine Core Enzyme Consumption Value Forecast by Region (2024-2029)
- 2.3 United States mRNA Vaccine Core Enzyme Consumption Value (2018-2029)
- 2.4 China mRNA Vaccine Core Enzyme Consumption Value (2018-2029)
- 2.5 Europe mRNA Vaccine Core Enzyme Consumption Value (2018-2029)
- 2.6 Japan mRNA Vaccine Core Enzyme Consumption Value (2018-2029)
- 2.7 South Korea mRNA Vaccine Core Enzyme Consumption Value (2018-2029)
- 2.8 ASEAN mRNA Vaccine Core Enzyme Consumption Value (2018-2029)
- 2.9 India mRNA Vaccine Core Enzyme Consumption Value (2018-2029)

3 WORLD MRNA VACCINE CORE ENZYME COMPANIES COMPETITIVE ANALYSIS

- 3.1 World mRNA Vaccine Core Enzyme Revenue by Player (2018-2023)
- 3.2 Industry Rank and Concentration Rate (CR)
 - 3.2.1 Global mRNA Vaccine Core Enzyme Industry Rank of Major Players
 - 3.2.2 Global Concentration Ratios (CR4) for mRNA Vaccine Core Enzyme in 2022
 - 3.2.3 Global Concentration Ratios (CR8) for mRNA Vaccine Core Enzyme in 2022
- 3.3 mRNA Vaccine Core Enzyme Company Evaluation Quadrant
- 3.4 mRNA Vaccine Core Enzyme Market: Overall Company Footprint Analysis
 - 3.4.1 mRNA Vaccine Core Enzyme Market: Region Footprint
 - 3.4.2 mRNA Vaccine Core Enzyme Market: Company Product Type Footprint
 - 3.4.3 mRNA Vaccine Core Enzyme Market: Company Product Application Footprint
- 3.5 Competitive Environment
 - 3.5.1 Historical Structure of the Industry
 - 3.5.2 Barriers of Market Entry
 - 3.5.3 Factors of Competition
- 3.6 Mergers, Acquisitions Activity

4 UNITED STATES VS CHINA VS REST OF THE WORLD (BY HEADQUARTER LOCATION)

- 4.1 United States VS China: mRNA Vaccine Core Enzyme Revenue Comparison (by Headquarter Location)
 - 4.1.1 United States VS China: mRNA Vaccine Core Enzyme Market Size Comparison (2018 & 2022 & 2029) (by Headquarter Location)
 - 4.1.2 United States VS China: mRNA Vaccine Core Enzyme Revenue Market Share Comparison (2018 & 2022 & 2029)
- 4.2 United States Based Companies VS China Based Companies: mRNA Vaccine Core Enzyme Consumption Value Comparison
 - 4.2.1 United States VS China: mRNA Vaccine Core Enzyme Consumption Value Comparison (2018 & 2022 & 2029)
 - 4.2.2 United States VS China: mRNA Vaccine Core Enzyme Consumption Value Market Share Comparison (2018 & 2022 & 2029)
- 4.3 United States Based mRNA Vaccine Core Enzyme Companies and Market Share, 2018-2023
 - 4.3.1 United States Based mRNA Vaccine Core Enzyme Companies, Headquarters (States, Country)
 - 4.3.2 United States Based Companies mRNA Vaccine Core Enzyme Revenue, (2018-2023)
- 4.4 China Based Companies mRNA Vaccine Core Enzyme Revenue and Market Share,

2018-2023

4.4.1 China Based mRNA Vaccine Core Enzyme Companies, Company Headquarters (Province, Country)

4.4.2 China Based Companies mRNA Vaccine Core Enzyme Revenue, (2018-2023)

4.5 Rest of World Based mRNA Vaccine Core Enzyme Companies and Market Share, 2018-2023

4.5.1 Rest of World Based mRNA Vaccine Core Enzyme Companies, Headquarters (States, Country)

4.5.2 Rest of World Based Companies mRNA Vaccine Core Enzyme Revenue, (2018-2023)

5 MARKET ANALYSIS BY ENZYME TYPE

5.1 World mRNA Vaccine Core Enzyme Market Size Overview by Enzyme Type: 2018 VS 2022 VS 2029

5.2 Segment Introduction by Enzyme Type

5.2.1 Capping Enzyme

5.2.2 2'-O-Methyltransferase

5.2.3 Inorganic Pyrophosphatase

5.2.4 Poly (A) Polymerase

5.2.5 Rnase Inhibitor

5.2.6 RNA Polymerase

5.2.7 Restriction Enzyme

5.2.8 Dnase I

5.2.9 Others

5.3 Market Segment by Enzyme Type

5.3.1 World mRNA Vaccine Core Enzyme Market Size by Enzyme Type (2018-2023)

5.3.2 World mRNA Vaccine Core Enzyme Market Size by Enzyme Type (2024-2029)

5.3.3 World mRNA Vaccine Core Enzyme Market Size Market Share by Enzyme Type (2018-2029)

6 MARKET ANALYSIS BY APPLICATION

6.1 World mRNA Vaccine Core Enzyme Market Size Overview by Application: 2018 VS 2022 VS 2029

6.2 Segment Introduction by Application

6.2.1 Biopharmaceutical Companies

6.2.2 Academic and Research Institutes

6.3 Market Segment by Application

- 6.3.1 World mRNA Vaccine Core Enzyme Market Size by Application (2018-2023)
- 6.3.2 World mRNA Vaccine Core Enzyme Market Size by Application (2024-2029)
- 6.3.3 World mRNA Vaccine Core Enzyme Market Size by Application (2018-2029)

7 COMPANY PROFILES

7.1 Thermo Fisher

- 7.1.1 Thermo Fisher Details
- 7.1.2 Thermo Fisher Major Business
- 7.1.3 Thermo Fisher mRNA Vaccine Core Enzyme Product and Services
- 7.1.4 Thermo Fisher mRNA Vaccine Core Enzyme Revenue, Gross Margin and Market Share (2018-2023)
- 7.1.5 Thermo Fisher Recent Developments/Updates
- 7.1.6 Thermo Fisher Competitive Strengths & Weaknesses

7.2 NEB

- 7.2.1 NEB Details
- 7.2.2 NEB Major Business
- 7.2.3 NEB mRNA Vaccine Core Enzyme Product and Services
- 7.2.4 NEB mRNA Vaccine Core Enzyme Revenue, Gross Margin and Market Share (2018-2023)
- 7.2.5 NEB Recent Developments/Updates
- 7.2.6 NEB Competitive Strengths & Weaknesses

7.3 TriLink Bio Technologies

- 7.3.1 TriLink Bio Technologies Details
- 7.3.2 TriLink Bio Technologies Major Business
- 7.3.3 TriLink Bio Technologies mRNA Vaccine Core Enzyme Product and Services
- 7.3.4 TriLink Bio Technologies mRNA Vaccine Core Enzyme Revenue, Gross Margin and Market Share (2018-2023)
- 7.3.5 TriLink Bio Technologies Recent Developments/Updates
- 7.3.6 TriLink Bio Technologies Competitive Strengths & Weaknesses

7.4 Merck

- 7.4.1 Merck Details
- 7.4.2 Merck Major Business
- 7.4.3 Merck mRNA Vaccine Core Enzyme Product and Services
- 7.4.4 Merck mRNA Vaccine Core Enzyme Revenue, Gross Margin and Market Share (2018-2023)
- 7.4.5 Merck Recent Developments/Updates
- 7.4.6 Merck Competitive Strengths & Weaknesses

7.5 Aldevron

- 7.5.1 Aldevron Details
- 7.5.2 Aldevron Major Business
- 7.5.3 Aldevron mRNA Vaccine Core Enzyme Product and Services
- 7.5.4 Aldevron mRNA Vaccine Core Enzyme Revenue, Gross Margin and Market Share (2018-2023)
- 7.5.5 Aldevron Recent Developments/Updates
- 7.5.6 Aldevron Competitive Strengths & Weaknesses
- 7.6 Qiagen N.V.
- 7.6.1 Qiagen N.V. Details
- 7.6.2 Qiagen N.V. Major Business
- 7.6.3 Qiagen N.V. mRNA Vaccine Core Enzyme Product and Services
- 7.6.4 Qiagen N.V. mRNA Vaccine Core Enzyme Revenue, Gross Margin and Market Share (2018-2023)
- 7.6.5 Qiagen N.V. Recent Developments/Updates
- 7.6.6 Qiagen N.V. Competitive Strengths & Weaknesses
- 7.7 Promega
- 7.7.1 Promega Details
- 7.7.2 Promega Major Business
- 7.7.3 Promega mRNA Vaccine Core Enzyme Product and Services
- 7.7.4 Promega mRNA Vaccine Core Enzyme Revenue, Gross Margin and Market Share (2018-2023)
- 7.7.5 Promega Recent Developments/Updates
- 7.7.6 Promega Competitive Strengths & Weaknesses
- 7.8 Roche CustomBiotech
- 7.8.1 Roche CustomBiotech Details
- 7.8.2 Roche CustomBiotech Major Business
- 7.8.3 Roche CustomBiotech mRNA Vaccine Core Enzyme Product and Services
- 7.8.4 Roche CustomBiotech mRNA Vaccine Core Enzyme Revenue, Gross Margin and Market Share (2018-2023)
- 7.8.5 Roche CustomBiotech Recent Developments/Updates
- 7.8.6 Roche CustomBiotech Competitive Strengths & Weaknesses
- 7.9 Takara Bio Inc.
- 7.9.1 Takara Bio Inc. Details
- 7.9.2 Takara Bio Inc. Major Business
- 7.9.3 Takara Bio Inc. mRNA Vaccine Core Enzyme Product and Services
- 7.9.4 Takara Bio Inc. mRNA Vaccine Core Enzyme Revenue, Gross Margin and Market Share (2018-2023)
- 7.9.5 Takara Bio Inc. Recent Developments/Updates
- 7.9.6 Takara Bio Inc. Competitive Strengths & Weaknesses

7.10 Novoprotein

7.10.1 Novoprotein Details

7.10.2 Novoprotein Major Business

7.10.3 Novoprotein mRNA Vaccine Core Enzyme Product and Services

7.10.4 Novoprotein mRNA Vaccine Core Enzyme Revenue, Gross Margin and Market Share (2018-2023)

7.10.5 Novoprotein Recent Developments/Updates

7.10.6 Novoprotein Competitive Strengths & Weaknesses

7.11 Vazyme

7.11.1 Vazyme Details

7.11.2 Vazyme Major Business

7.11.3 Vazyme mRNA Vaccine Core Enzyme Product and Services

7.11.4 Vazyme mRNA Vaccine Core Enzyme Revenue, Gross Margin and Market Share (2018-2023)

7.11.5 Vazyme Recent Developments/Updates

7.11.6 Vazyme Competitive Strengths & Weaknesses

7.12 Hongene Biotech Corporatio

7.12.1 Hongene Biotech Corporatio Details

7.12.2 Hongene Biotech Corporatio Major Business

7.12.3 Hongene Biotech Corporatio mRNA Vaccine Core Enzyme Product and Services

7.12.4 Hongene Biotech Corporatio mRNA Vaccine Core Enzyme Revenue, Gross Margin and Market Share (2018-2023)

7.12.5 Hongene Biotech Corporatio Recent Developments/Updates

7.12.6 Hongene Biotech Corporatio Competitive Strengths & Weaknesses

7.13 Yeasen Biotechnology

7.13.1 Yeasen Biotechnology Details

7.13.2 Yeasen Biotechnology Major Business

7.13.3 Yeasen Biotechnology mRNA Vaccine Core Enzyme Product and Services

7.13.4 Yeasen Biotechnology mRNA Vaccine Core Enzyme Revenue, Gross Margin and Market Share (2018-2023)

7.13.5 Yeasen Biotechnology Recent Developments/Updates

7.13.6 Yeasen Biotechnology Competitive Strengths & Weaknesses

8 INDUSTRY CHAIN ANALYSIS

8.1 mRNA Vaccine Core Enzyme Industry Chain

8.2 mRNA Vaccine Core Enzyme Upstream Analysis

8.3 mRNA Vaccine Core Enzyme Midstream Analysis

8.4 mRNA Vaccine Core Enzyme Downstream Analysis

9 RESEARCH FINDINGS AND CONCLUSION

10 APPENDIX

10.1 Methodology

10.2 Research Process and Data Source

10.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World mRNA Vaccine Core Enzyme Revenue by Region (2018, 2022 and 2029) & (USD Million), (by Headquarter Location)

Table 2. World mRNA Vaccine Core Enzyme Revenue by Region (2018-2023) & (USD Million), (by Headquarter Location)

Table 3. World mRNA Vaccine Core Enzyme Revenue by Region (2024-2029) & (USD Million), (by Headquarter Location)

Table 4. World mRNA Vaccine Core Enzyme Revenue Market Share by Region (2018-2023), (by Headquarter Location)

Table 5. World mRNA Vaccine Core Enzyme Revenue Market Share by Region (2024-2029), (by Headquarter Location)

Table 6. Major Market Trends

Table 7. World mRNA Vaccine Core Enzyme Consumption Value Growth Rate Forecast by Region (2018 & 2022 & 2029) & (USD Million)

Table 8. World mRNA Vaccine Core Enzyme Consumption Value by Region (2018-2023) & (USD Million)

Table 9. World mRNA Vaccine Core Enzyme Consumption Value Forecast by Region (2024-2029) & (USD Million)

Table 10. World mRNA Vaccine Core Enzyme Revenue by Player (2018-2023) & (USD Million)

Table 11. Revenue Market Share of Key mRNA Vaccine Core Enzyme Players in 2022

Table 12. World mRNA Vaccine Core Enzyme Industry Rank of Major Player, Based on Revenue in 2022

Table 13. Global mRNA Vaccine Core Enzyme Company Evaluation Quadrant

Table 14. Head Office of Key mRNA Vaccine Core Enzyme Player

Table 15. mRNA Vaccine Core Enzyme Market: Company Product Type Footprint

Table 16. mRNA Vaccine Core Enzyme Market: Company Product Application Footprint

Table 17. mRNA Vaccine Core Enzyme Mergers & Acquisitions Activity

Table 18. United States VS China mRNA Vaccine Core Enzyme Market Size Comparison, (2018 & 2022 & 2029) & (USD Million)

Table 19. United States VS China mRNA Vaccine Core Enzyme Consumption Value Comparison, (2018 & 2022 & 2029) & (USD Million)

Table 20. United States Based mRNA Vaccine Core Enzyme Companies, Headquarters (States, Country)

Table 21. United States Based Companies mRNA Vaccine Core Enzyme Revenue, (2018-2023) & (USD Million)

Table 22. United States Based Companies mRNA Vaccine Core Enzyme Revenue Market Share (2018-2023)

Table 23. China Based mRNA Vaccine Core Enzyme Companies, Headquarters (Province, Country)

Table 24. China Based Companies mRNA Vaccine Core Enzyme Revenue, (2018-2023) & (USD Million)

Table 25. China Based Companies mRNA Vaccine Core Enzyme Revenue Market Share (2018-2023)

Table 26. Rest of World Based mRNA Vaccine Core Enzyme Companies, Headquarters (States, Country)

Table 27. Rest of World Based Companies mRNA Vaccine Core Enzyme Revenue, (2018-2023) & (USD Million)

Table 28. Rest of World Based Companies mRNA Vaccine Core Enzyme Revenue Market Share (2018-2023)

Table 29. World mRNA Vaccine Core Enzyme Market Size by Enzyme Type, (USD Million), 2018 & 2022 & 2029

Table 30. World mRNA Vaccine Core Enzyme Market Size by Enzyme Type (2018-2023) & (USD Million)

Table 31. World mRNA Vaccine Core Enzyme Market Size by Enzyme Type (2024-2029) & (USD Million)

Table 32. World mRNA Vaccine Core Enzyme Market Size by Application, (USD Million), 2018 & 2022 & 2029

Table 33. World mRNA Vaccine Core Enzyme Market Size by Application (2018-2023) & (USD Million)

Table 34. World mRNA Vaccine Core Enzyme Market Size by Application (2024-2029) & (USD Million)

Table 35. Thermo Fisher Basic Information, Area Served and Competitors

Table 36. Thermo Fisher Major Business

Table 37. Thermo Fisher mRNA Vaccine Core Enzyme Product and Services

Table 38. Thermo Fisher mRNA Vaccine Core Enzyme Revenue, Gross Margin and Market Share (2018-2023) & (USD Million)

Table 39. Thermo Fisher Recent Developments/Updates

Table 40. Thermo Fisher Competitive Strengths & Weaknesses

Table 41. NEB Basic Information, Area Served and Competitors

Table 42. NEB Major Business

Table 43. NEB mRNA Vaccine Core Enzyme Product and Services

Table 44. NEB mRNA Vaccine Core Enzyme Revenue, Gross Margin and Market Share (2018-2023) & (USD Million)

Table 45. NEB Recent Developments/Updates

- Table 46. NEB Competitive Strengths & Weaknesses
- Table 47. TriLink Bio Technologies Basic Information, Area Served and Competitors
- Table 48. TriLink Bio Technologies Major Business
- Table 49. TriLink Bio Technologies mRNA Vaccine Core Enzyme Product and Services
- Table 50. TriLink Bio Technologies mRNA Vaccine Core Enzyme Revenue, Gross Margin and Market Share (2018-2023) & (USD Million)
- Table 51. TriLink Bio Technologies Recent Developments/Updates
- Table 52. TriLink Bio Technologies Competitive Strengths & Weaknesses
- Table 53. Merck Basic Information, Area Served and Competitors
- Table 54. Merck Major Business
- Table 55. Merck mRNA Vaccine Core Enzyme Product and Services
- Table 56. Merck mRNA Vaccine Core Enzyme Revenue, Gross Margin and Market Share (2018-2023) & (USD Million)
- Table 57. Merck Recent Developments/Updates
- Table 58. Merck Competitive Strengths & Weaknesses
- Table 59. Aldevron Basic Information, Area Served and Competitors
- Table 60. Aldevron Major Business
- Table 61. Aldevron mRNA Vaccine Core Enzyme Product and Services
- Table 62. Aldevron mRNA Vaccine Core Enzyme Revenue, Gross Margin and Market Share (2018-2023) & (USD Million)
- Table 63. Aldevron Recent Developments/Updates
- Table 64. Aldevron Competitive Strengths & Weaknesses
- Table 65. Qiagen N.V. Basic Information, Area Served and Competitors
- Table 66. Qiagen N.V. Major Business
- Table 67. Qiagen N.V. mRNA Vaccine Core Enzyme Product and Services
- Table 68. Qiagen N.V. mRNA Vaccine Core Enzyme Revenue, Gross Margin and Market Share (2018-2023) & (USD Million)
- Table 69. Qiagen N.V. Recent Developments/Updates
- Table 70. Qiagen N.V. Competitive Strengths & Weaknesses
- Table 71. Promega Basic Information, Area Served and Competitors
- Table 72. Promega Major Business
- Table 73. Promega mRNA Vaccine Core Enzyme Product and Services
- Table 74. Promega mRNA Vaccine Core Enzyme Revenue, Gross Margin and Market Share (2018-2023) & (USD Million)
- Table 75. Promega Recent Developments/Updates
- Table 76. Promega Competitive Strengths & Weaknesses
- Table 77. Roche CustomBiotech Basic Information, Area Served and Competitors
- Table 78. Roche CustomBiotech Major Business
- Table 79. Roche CustomBiotech mRNA Vaccine Core Enzyme Product and Services

Table 80. Roche CustomBiotech mRNA Vaccine Core Enzyme Revenue, Gross Margin and Market Share (2018-2023) & (USD Million)

Table 81. Roche CustomBiotech Recent Developments/Updates

Table 82. Roche CustomBiotech Competitive Strengths & Weaknesses

Table 83. Takara Bio Inc. Basic Information, Area Served and Competitors

Table 84. Takara Bio Inc. Major Business

Table 85. Takara Bio Inc. mRNA Vaccine Core Enzyme Product and Services

Table 86. Takara Bio Inc. mRNA Vaccine Core Enzyme Revenue, Gross Margin and Market Share (2018-2023) & (USD Million)

Table 87. Takara Bio Inc. Recent Developments/Updates

Table 88. Takara Bio Inc. Competitive Strengths & Weaknesses

Table 89. Novoprotein Basic Information, Area Served and Competitors

Table 90. Novoprotein Major Business

Table 91. Novoprotein mRNA Vaccine Core Enzyme Product and Services

Table 92. Novoprotein mRNA Vaccine Core Enzyme Revenue, Gross Margin and Market Share (2018-2023) & (USD Million)

Table 93. Novoprotein Recent Developments/Updates

Table 94. Novoprotein Competitive Strengths & Weaknesses

Table 95. Vazyme Basic Information, Area Served and Competitors

Table 96. Vazyme Major Business

Table 97. Vazyme mRNA Vaccine Core Enzyme Product and Services

Table 98. Vazyme mRNA Vaccine Core Enzyme Revenue, Gross Margin and Market Share (2018-2023) & (USD Million)

Table 99. Vazyme Recent Developments/Updates

Table 100. Vazyme Competitive Strengths & Weaknesses

Table 101. Hongene Biotech Corporatio Basic Information, Area Served and Competitors

Table 102. Hongene Biotech Corporatio Major Business

Table 103. Hongene Biotech Corporatio mRNA Vaccine Core Enzyme Product and Services

Table 104. Hongene Biotech Corporatio mRNA Vaccine Core Enzyme Revenue, Gross Margin and Market Share (2018-2023) & (USD Million)

Table 105. Hongene Biotech Corporatio Recent Developments/Updates

Table 106. Yeasen Biotechnology Basic Information, Area Served and Competitors

Table 107. Yeasen Biotechnology Major Business

Table 108. Yeasen Biotechnology mRNA Vaccine Core Enzyme Product and Services

Table 109. Yeasen Biotechnology mRNA Vaccine Core Enzyme Revenue, Gross Margin and Market Share (2018-2023) & (USD Million)

Table 110. Global Key Players of mRNA Vaccine Core Enzyme Upstream (Raw

Materials)

Table 111. mRNA Vaccine Core Enzyme Typical Customers

List of Figure

Figure 1. mRNA Vaccine Core Enzyme Picture

Figure 2. World mRNA Vaccine Core Enzyme Total Market Size: 2018 & 2022 & 2029, (USD Million)

Figure 3. World mRNA Vaccine Core Enzyme Total Market Size (2018-2029) & (USD Million)

Figure 4. World mRNA Vaccine Core Enzyme Revenue Market Share by Region (2018, 2022 and 2029) & (USD Million) , (by Headquarter Location)

Figure 5. World mRNA Vaccine Core Enzyme Revenue Market Share by Region (2018-2029), (by Headquarter Location)

Figure 6. United States Based Company mRNA Vaccine Core Enzyme Revenue (2018-2029) & (USD Million)

Figure 7. China Based Company mRNA Vaccine Core Enzyme Revenue (2018-2029) & (USD Million)

Figure 8. Europe Based Company mRNA Vaccine Core Enzyme Revenue (2018-2029) & (USD Million)

Figure 9. Japan Based Company mRNA Vaccine Core Enzyme Revenue (2018-2029) & (USD Million)

Figure 10. South Korea Based Company mRNA Vaccine Core Enzyme Revenue (2018-2029) & (USD Million)

Figure 11. ASEAN Based Company mRNA Vaccine Core Enzyme Revenue (2018-2029) & (USD Million)

Figure 12. India Based Company mRNA Vaccine Core Enzyme Revenue (2018-2029) & (USD Million)

Figure 13. mRNA Vaccine Core Enzyme Market Drivers

Figure 14. Factors Affecting Demand

Figure 15. World mRNA Vaccine Core Enzyme Consumption Value (2018-2029) & (USD Million)

Figure 16. World mRNA Vaccine Core Enzyme Consumption Value Market Share by Region (2018-2029)

Figure 17. United States mRNA Vaccine Core Enzyme Consumption Value (2018-2029) & (USD Million)

Figure 18. China mRNA Vaccine Core Enzyme Consumption Value (2018-2029) & (USD Million)

Figure 19. Europe mRNA Vaccine Core Enzyme Consumption Value (2018-2029) & (USD Million)

Figure 20. Japan mRNA Vaccine Core Enzyme Consumption Value (2018-2029) &

(USD Million)

Figure 21. South Korea mRNA Vaccine Core Enzyme Consumption Value (2018-2029) & (USD Million)

Figure 22. ASEAN mRNA Vaccine Core Enzyme Consumption Value (2018-2029) & (USD Million)

Figure 23. India mRNA Vaccine Core Enzyme Consumption Value (2018-2029) & (USD Million)

Figure 24. Producer Shipments of mRNA Vaccine Core Enzyme by Player Revenue (\$MM) and Market Share (%): 2022

Figure 25. Global Four-firm Concentration Ratios (CR4) for mRNA Vaccine Core Enzyme Markets in 2022

Figure 26. Global Four-firm Concentration Ratios (CR8) for mRNA Vaccine Core Enzyme Markets in 2022

Figure 27. United States VS China: mRNA Vaccine Core Enzyme Revenue Market Share Comparison (2018 & 2022 & 2029)

Figure 28. United States VS China: mRNA Vaccine Core Enzyme Consumption Value Market Share Comparison (2018 & 2022 & 2029)

Figure 29. World mRNA Vaccine Core Enzyme Market Size by Enzyme Type, (USD Million), 2018 & 2022 & 2029

Figure 30. World mRNA Vaccine Core Enzyme Market Size Market Share by Enzyme Type in 2022

Figure 31. Capping Enzyme

Figure 32. 2'-O-Methyltransferase

Figure 33. Inorganic Pyrophosphatase

Figure 34. Poly (A) Polymerase

Figure 35. Rnase Inhibitor

Figure 36. RNA Polymerase

Figure 37. Restriction Enzyme

Figure 38. Dnase I

Figure 39. Others

Figure 40. World mRNA Vaccine Core Enzyme Market Size Market Share by Enzyme Type (2018-2029)

Figure 41. World mRNA Vaccine Core Enzyme Market Size by Application, (USD Million), 2018 & 2022 & 2029

Figure 42. World mRNA Vaccine Core Enzyme Market Size Market Share by Application in 2022

Figure 43. Biopharmaceutical Companies

Figure 44. Academic and Research Institutes

Figure 45. mRNA Vaccine Core Enzyme Industrial Chain

Figure 46. Methodology

Figure 47. Research Process and Data Source

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