

# Global Site-directed Mutagenesis Service Supply, Demand and Key Producers, 2023-2029

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# **Abstracts**

The global Site-directed Mutagenesis Service market size is expected to reach \$ 1372.4 million by 2029, rising at a market growth of 4.6% CAGR during the forecast period (2023-2029).

Site-directed mutagenesis is a widely used technique in molecular biology and genetic engineering that allows researchers to introduce specific changes or mutations into a DNA sequence.

Site-directed mutagenesis services are provided by various companies and research institutions to support scientific research, drug development, and other applications requiring precise modifications to DNA sequences. These services often involve the design and synthesis of custom DNA templates with specific mutations or modifications requested by the client.

The market status and future development trends of the site-directed mutagenesis service market include the following:

Increasing Demand: With advancements in genetic research and biotechnology applications, there is a growing demand for site-directed mutagenesis services. Researchers in academia, pharmaceutical companies, and biotech firms rely on these services to create specific genetic variants for functional studies, protein engineering, therapeutic development, and other research purposes.

Customization and Specialization: As the field of genetics becomes more specialized, site-directed mutagenesis service providers may focus on offering tailored solutions to meet the specific needs of different research areas or industries. This could involve



expertise in specific organisms, gene families, or targeted genetic modifications.

Automation and High-throughput Capabilities: To improve efficiency and costeffectiveness, site-directed mutagenesis services may adopt automation and highthroughput technologies. This allows for the simultaneous generation of multiple mutations or modifications in a faster and more streamlined manner.

Quality Assurance and Validation: Given the critical nature of site-directed mutagenesis in research and product development, there is an increasing emphasis on quality control, validation, and rigorous quality assurance measures by service providers. This ensures accurate and reliable results, which are essential for downstream applications.

Integration with Other Services: Site-directed mutagenesis services may be integrated with other molecular biology services or techniques to offer comprehensive solutions. For example, providers may offer sequencing, gene synthesis, or cloning services alongside site-directed mutagenesis to facilitate a seamless workflow for researchers.

Regulatory Compliance: As the applications of site-directed mutagenesis expand into areas like gene therapy or agricultural biotechnology, adherence to regulatory guidelines and ethical considerations will become increasingly important.

This report studies the global Site-directed Mutagenesis Service demand, key companies, and key regions.

This report is a detailed and comprehensive analysis of the world market for Site-directed Mutagenesis Service, 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 Site-directed Mutagenesis Service that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Site-directed Mutagenesis Service total market, 2018-2029, (USD Million)

Global Site-directed Mutagenesis Service total market by region & country, CAGR, 2018-2029, (USD Million)

U.S. VS China: Site-directed Mutagenesis Service total market, key domestic companies and share, (USD Million)



Global Site-directed Mutagenesis Service revenue by player and market share 2018-2023, (USD Million)

Global Site-directed Mutagenesis Service total market by Type, CAGR, 2018-2029, (USD Million)

Global Site-directed Mutagenesis Service total market by Application, CAGR, 2018-2029, (USD Million)

This reports profiles major players in the global Site-directed Mutagenesis Service 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 GenScript, Eurofins, Applied Biological Materials, Azenta Life Sciences, Thermo Fisher Scientific, Bon Opus Biosciences, Charles Rive, Creative Biogene and Synbio Technologies, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Site-directed Mutagenesis Service market

**Detailed Segmentation:** 

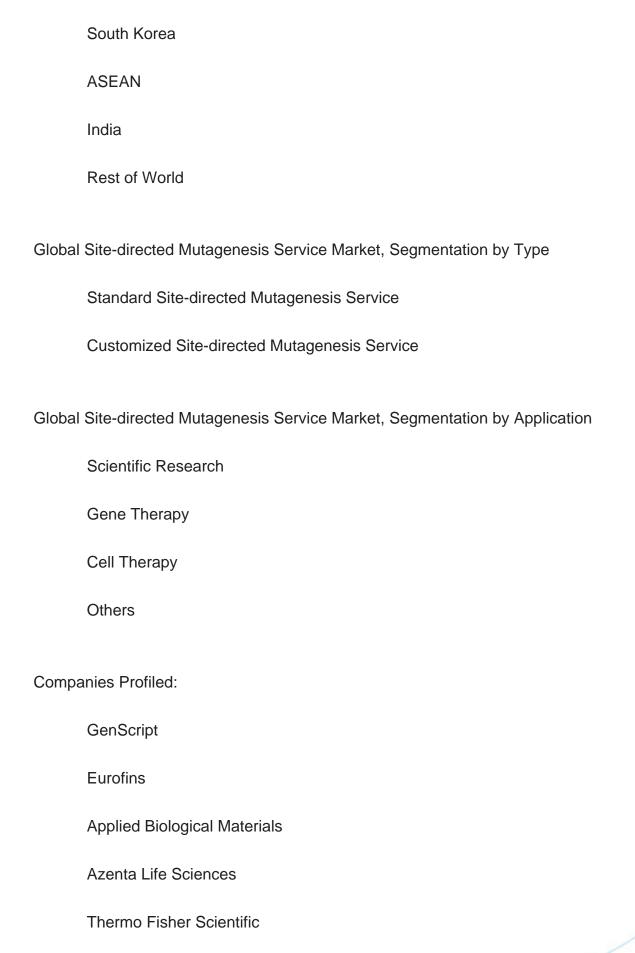
Each section contains quantitative market data including market by value (US\$ Millions), by player, by regions, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Site-directed Mutagenesis Service Market, By Region:

United States
China
Europe

Japan







Bon Opus Biosciences

| •                          |
|----------------------------|
| Charles Rive               |
| Creative Biogene           |
| Synbio Technologies        |
| Creative Biolabs           |
| NovoPro                    |
| Bionexus                   |
| Biotech Desk               |
| NorClone                   |
| Eton Bioscience            |
| Syd Labs                   |
| Genosphere Biotechnologies |
| WZ Biosciences             |
| FulenGen                   |
| GENEWIZ                    |
| iGene Biotechnology        |
| Tsingke                    |
| AtaGenix                   |
| Zoonbio Biotechnology      |
|                            |



# Key Questions Answered

- 1. How big is the global Site-directed Mutagenesis Service market?
- 2. What is the demand of the global Site-directed Mutagenesis Service market?
- 3. What is the year over year growth of the global Site-directed Mutagenesis Service market?
- 4. What is the total value of the global Site-directed Mutagenesis Service market?
- 5. Who are the major players in the global Site-directed Mutagenesis Service market?
- 6. What are the growth factors driving the market demand?



# **Contents**

## 1 SUPPLY SUMMARY

- 1.1 Site-directed Mutagenesis Service Introduction
- 1.2 World Site-directed Mutagenesis Service Market Size & Forecast (2018 & 2022 & 2029)
- 1.3 World Site-directed Mutagenesis Service Total Market by Region (by Headquarter Location)
- 1.3.1 World Site-directed Mutagenesis Service Market Size by Region (2018-2029), (by Headquarter Location)
- 1.3.2 United States Site-directed Mutagenesis Service Market Size (2018-2029)
- 1.3.3 China Site-directed Mutagenesis Service Market Size (2018-2029)
- 1.3.4 Europe Site-directed Mutagenesis Service Market Size (2018-2029)
- 1.3.5 Japan Site-directed Mutagenesis Service Market Size (2018-2029)
- 1.3.6 South Korea Site-directed Mutagenesis Service Market Size (2018-2029)
- 1.3.7 ASEAN Site-directed Mutagenesis Service Market Size (2018-2029)
- 1.3.8 India Site-directed Mutagenesis Service Market Size (2018-2029)
- 1.4 Market Drivers, Restraints and Trends
  - 1.4.1 Site-directed Mutagenesis Service Market Drivers
  - 1.4.2 Factors Affecting Demand
  - 1.4.3 Site-directed Mutagenesis Service Major Market Trends
- 1.5 Influence of COVID-19 and Russia-Ukraine War
  - 1.5.1 Influence of COVID-19
  - 1.5.2 Influence of Russia-Ukraine War

#### **2 DEMAND SUMMARY**

- 2.1 World Site-directed Mutagenesis Service Consumption Value (2018-2029)
- 2.2 World Site-directed Mutagenesis Service Consumption Value by Region
- 2.2.1 World Site-directed Mutagenesis Service Consumption Value by Region (2018-2023)
- 2.2.2 World Site-directed Mutagenesis Service Consumption Value Forecast by Region (2024-2029)
- 2.3 United States Site-directed Mutagenesis Service Consumption Value (2018-2029)
- 2.4 China Site-directed Mutagenesis Service Consumption Value (2018-2029)
- 2.5 Europe Site-directed Mutagenesis Service Consumption Value (2018-2029)
- 2.6 Japan Site-directed Mutagenesis Service Consumption Value (2018-2029)
- 2.7 South Korea Site-directed Mutagenesis Service Consumption Value (2018-2029)



- 2.8 ASEAN Site-directed Mutagenesis Service Consumption Value (2018-2029)
- 2.9 India Site-directed Mutagenesis Service Consumption Value (2018-2029)

# 3 WORLD SITE-DIRECTED MUTAGENESIS SERVICE COMPANIES COMPETITIVE ANALYSIS

- 3.1 World Site-directed Mutagenesis Service Revenue by Player (2018-2023)
- 3.2 Industry Rank and Concentration Rate (CR)
  - 3.2.1 Global Site-directed Mutagenesis Service Industry Rank of Major Players
  - 3.2.2 Global Concentration Ratios (CR4) for Site-directed Mutagenesis Service in 2022
  - 3.2.3 Global Concentration Ratios (CR8) for Site-directed Mutagenesis Service in 2022
- 3.3 Site-directed Mutagenesis Service Company Evaluation Quadrant
- 3.4 Site-directed Mutagenesis Service Market: Overall Company Footprint Analysis
  - 3.4.1 Site-directed Mutagenesis Service Market: Region Footprint
  - 3.4.2 Site-directed Mutagenesis Service Market: Company Product Type Footprint
- 3.4.3 Site-directed Mutagenesis Service 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: Site-directed Mutagenesis Service Revenue Comparison (by Headquarter Location)
- 4.1.1 United States VS China: Site-directed Mutagenesis Service Market Size Comparison (2018 & 2022 & 2029) (by Headquarter Location)
- 4.1.2 United States VS China: Site-directed Mutagenesis Service Revenue Market Share Comparison (2018 & 2022 & 2029)
- 4.2 United States Based Companies VS China Based Companies: Site-directed Mutagenesis Service Consumption Value Comparison
- 4.2.1 United States VS China: Site-directed Mutagenesis Service Consumption Value Comparison (2018 & 2022 & 2029)
- 4.2.2 United States VS China: Site-directed Mutagenesis Service Consumption Value Market Share Comparison (2018 & 2022 & 2029)
- 4.3 United States Based Site-directed Mutagenesis Service Companies and Market



Share, 2018-2023

- 4.3.1 United States Based Site-directed Mutagenesis Service Companies, Headquarters (States, Country)
- 4.3.2 United States Based Companies Site-directed Mutagenesis Service Revenue, (2018-2023)
- 4.4 China Based Companies Site-directed Mutagenesis Service Revenue and Market Share, 2018-2023
- 4.4.1 China Based Site-directed Mutagenesis Service Companies, Company Headquarters (Province, Country)
- 4.4.2 China Based Companies Site-directed Mutagenesis Service Revenue, (2018-2023)
- 4.5 Rest of World Based Site-directed Mutagenesis Service Companies and Market Share, 2018-2023
- 4.5.1 Rest of World Based Site-directed Mutagenesis Service Companies, Headquarters (States, Country)
- 4.5.2 Rest of World Based Companies Site-directed Mutagenesis Service Revenue, (2018-2023)

#### **5 MARKET ANALYSIS BY TYPE**

- 5.1 World Site-directed Mutagenesis Service Market Size Overview by Type: 2018 VS 2022 VS 2029
- 5.2 Segment Introduction by Type
  - 5.2.1 Standard Site-directed Mutagenesis Service
  - 5.2.2 Customized Site-directed Mutagenesis Service
- 5.3 Market Segment by Type
  - 5.3.1 World Site-directed Mutagenesis Service Market Size by Type (2018-2023)
  - 5.3.2 World Site-directed Mutagenesis Service Market Size by Type (2024-2029)
- 5.3.3 World Site-directed Mutagenesis Service Market Size Market Share by Type (2018-2029)

#### **6 MARKET ANALYSIS BY APPLICATION**

- 6.1 World Site-directed Mutagenesis Service Market Size Overview by Application: 2018 VS 2022 VS 2029
- 6.2 Segment Introduction by Application
  - 6.2.1 Scientific Research
  - 6.2.2 Gene Therapy
  - 6.2.3 Cell Therapy



- 6.2.4 Others
- 6.2.5 Others
- 6.3 Market Segment by Application
  - 6.3.1 World Site-directed Mutagenesis Service Market Size by Application (2018-2023)
  - 6.3.2 World Site-directed Mutagenesis Service Market Size by Application (2024-2029)
  - 6.3.3 World Site-directed Mutagenesis Service Market Size by Application (2018-2029)

### **7 COMPANY PROFILES**

- 7.1 GenScript
  - 7.1.1 GenScript Details
  - 7.1.2 GenScript Major Business
  - 7.1.3 GenScript Site-directed Mutagenesis Service Product and Services
- 7.1.4 GenScript Site-directed Mutagenesis Service Revenue, Gross Margin and
- Market Share (2018-2023)
  - 7.1.5 GenScript Recent Developments/Updates
  - 7.1.6 GenScript Competitive Strengths & Weaknesses
- 7.2 Eurofins
  - 7.2.1 Eurofins Details
  - 7.2.2 Eurofins Major Business
  - 7.2.3 Eurofins Site-directed Mutagenesis Service Product and Services
- 7.2.4 Eurofins Site-directed Mutagenesis Service Revenue, Gross Margin and Market Share (2018-2023)
  - 7.2.5 Eurofins Recent Developments/Updates
  - 7.2.6 Eurofins Competitive Strengths & Weaknesses
- 7.3 Applied Biological Materials
  - 7.3.1 Applied Biological Materials Details
  - 7.3.2 Applied Biological Materials Major Business
- 7.3.3 Applied Biological Materials Site-directed Mutagenesis Service Product and Services
- 7.3.4 Applied Biological Materials Site-directed Mutagenesis Service Revenue, Gross Margin and Market Share (2018-2023)
  - 7.3.5 Applied Biological Materials Recent Developments/Updates
  - 7.3.6 Applied Biological Materials Competitive Strengths & Weaknesses
- 7.4 Azenta Life Sciences
  - 7.4.1 Azenta Life Sciences Details
  - 7.4.2 Azenta Life Sciences Major Business
  - 7.4.3 Azenta Life Sciences Site-directed Mutagenesis Service Product and Services
  - 7.4.4 Azenta Life Sciences Site-directed Mutagenesis Service Revenue, Gross Margin



# and Market Share (2018-2023)

- 7.4.5 Azenta Life Sciences Recent Developments/Updates
- 7.4.6 Azenta Life Sciences Competitive Strengths & Weaknesses
- 7.5 Thermo Fisher Scientific
  - 7.5.1 Thermo Fisher Scientific Details
  - 7.5.2 Thermo Fisher Scientific Major Business
- 7.5.3 Thermo Fisher Scientific Site-directed Mutagenesis Service Product and Services
- 7.5.4 Thermo Fisher Scientific Site-directed Mutagenesis Service Revenue, Gross Margin and Market Share (2018-2023)
  - 7.5.5 Thermo Fisher Scientific Recent Developments/Updates
  - 7.5.6 Thermo Fisher Scientific Competitive Strengths & Weaknesses
- 7.6 Bon Opus Biosciences
  - 7.6.1 Bon Opus Biosciences Details
  - 7.6.2 Bon Opus Biosciences Major Business
  - 7.6.3 Bon Opus Biosciences Site-directed Mutagenesis Service Product and Services
- 7.6.4 Bon Opus Biosciences Site-directed Mutagenesis Service Revenue, Gross Margin and Market Share (2018-2023)
  - 7.6.5 Bon Opus Biosciences Recent Developments/Updates
  - 7.6.6 Bon Opus Biosciences Competitive Strengths & Weaknesses
- 7.7 Charles Rive
  - 7.7.1 Charles Rive Details
  - 7.7.2 Charles Rive Major Business
  - 7.7.3 Charles Rive Site-directed Mutagenesis Service Product and Services
- 7.7.4 Charles Rive Site-directed Mutagenesis Service Revenue, Gross Margin and Market Share (2018-2023)
  - 7.7.5 Charles Rive Recent Developments/Updates
  - 7.7.6 Charles Rive Competitive Strengths & Weaknesses
- 7.8 Creative Biogene
  - 7.8.1 Creative Biogene Details
  - 7.8.2 Creative Biogene Major Business
  - 7.8.3 Creative Biogene Site-directed Mutagenesis Service Product and Services
- 7.8.4 Creative Biogene Site-directed Mutagenesis Service Revenue, Gross Margin and Market Share (2018-2023)
  - 7.8.5 Creative Biogene Recent Developments/Updates
  - 7.8.6 Creative Biogene Competitive Strengths & Weaknesses
- 7.9 Synbio Technologies
  - 7.9.1 Synbio Technologies Details
- 7.9.2 Synbio Technologies Major Business



- 7.9.3 Synbio Technologies Site-directed Mutagenesis Service Product and Services
- 7.9.4 Synbio Technologies Site-directed Mutagenesis Service Revenue, Gross Margin and Market Share (2018-2023)
- 7.9.5 Synbio Technologies Recent Developments/Updates
- 7.9.6 Synbio Technologies Competitive Strengths & Weaknesses
- 7.10 Creative Biolabs
  - 7.10.1 Creative Biolabs Details
  - 7.10.2 Creative Biolabs Major Business
  - 7.10.3 Creative Biolabs Site-directed Mutagenesis Service Product and Services
- 7.10.4 Creative Biolabs Site-directed Mutagenesis Service Revenue, Gross Margin and Market Share (2018-2023)
  - 7.10.5 Creative Biolabs Recent Developments/Updates
  - 7.10.6 Creative Biolabs Competitive Strengths & Weaknesses
- 7.11 NovoPro
  - 7.11.1 NovoPro Details
  - 7.11.2 NovoPro Major Business
  - 7.11.3 NovoPro Site-directed Mutagenesis Service Product and Services
- 7.11.4 NovoPro Site-directed Mutagenesis Service Revenue, Gross Margin and Market Share (2018-2023)
  - 7.11.5 NovoPro Recent Developments/Updates
  - 7.11.6 NovoPro Competitive Strengths & Weaknesses
- 7.12 Bionexus
  - 7.12.1 Bionexus Details
  - 7.12.2 Bionexus Major Business
  - 7.12.3 Bionexus Site-directed Mutagenesis Service Product and Services
- 7.12.4 Bionexus Site-directed Mutagenesis Service Revenue, Gross Margin and Market Share (2018-2023)
  - 7.12.5 Bionexus Recent Developments/Updates
  - 7.12.6 Bionexus Competitive Strengths & Weaknesses
- 7.13 Biotech Desk
  - 7.13.1 Biotech Desk Details
  - 7.13.2 Biotech Desk Major Business
  - 7.13.3 Biotech Desk Site-directed Mutagenesis Service Product and Services
- 7.13.4 Biotech Desk Site-directed Mutagenesis Service Revenue, Gross Margin and Market Share (2018-2023)
  - 7.13.5 Biotech Desk Recent Developments/Updates
  - 7.13.6 Biotech Desk Competitive Strengths & Weaknesses
- 7.14 NorClone
- 7.14.1 NorClone Details



- 7.14.2 NorClone Major Business
- 7.14.3 NorClone Site-directed Mutagenesis Service Product and Services
- 7.14.4 NorClone Site-directed Mutagenesis Service Revenue, Gross Margin and Market Share (2018-2023)
- 7.14.5 NorClone Recent Developments/Updates
- 7.14.6 NorClone Competitive Strengths & Weaknesses
- 7.15 Eton Bioscience
  - 7.15.1 Eton Bioscience Details
  - 7.15.2 Eton Bioscience Major Business
  - 7.15.3 Eton Bioscience Site-directed Mutagenesis Service Product and Services
- 7.15.4 Eton Bioscience Site-directed Mutagenesis Service Revenue, Gross Margin and Market Share (2018-2023)
  - 7.15.5 Eton Bioscience Recent Developments/Updates
  - 7.15.6 Eton Bioscience Competitive Strengths & Weaknesses
- 7.16 Syd Labs
  - 7.16.1 Syd Labs Details
  - 7.16.2 Syd Labs Major Business
  - 7.16.3 Syd Labs Site-directed Mutagenesis Service Product and Services
- 7.16.4 Syd Labs Site-directed Mutagenesis Service Revenue, Gross Margin and Market Share (2018-2023)
  - 7.16.5 Syd Labs Recent Developments/Updates
  - 7.16.6 Syd Labs Competitive Strengths & Weaknesses
- 7.17 Genosphere Biotechnologies
  - 7.17.1 Genosphere Biotechnologies Details
  - 7.17.2 Genosphere Biotechnologies Major Business
- 7.17.3 Genosphere Biotechnologies Site-directed Mutagenesis Service Product and Services
- 7.17.4 Genosphere Biotechnologies Site-directed Mutagenesis Service Revenue, Gross Margin and Market Share (2018-2023)
  - 7.17.5 Genosphere Biotechnologies Recent Developments/Updates
- 7.17.6 Genosphere Biotechnologies Competitive Strengths & Weaknesses
- 7.18 WZ Biosciences
  - 7.18.1 WZ Biosciences Details
  - 7.18.2 WZ Biosciences Major Business
- 7.18.3 WZ Biosciences Site-directed Mutagenesis Service Product and Services
- 7.18.4 WZ Biosciences Site-directed Mutagenesis Service Revenue, Gross Margin and Market Share (2018-2023)
  - 7.18.5 WZ Biosciences Recent Developments/Updates
  - 7.18.6 WZ Biosciences Competitive Strengths & Weaknesses



- 7.19 FulenGen
  - 7.19.1 FulenGen Details
  - 7.19.2 FulenGen Major Business
  - 7.19.3 FulenGen Site-directed Mutagenesis Service Product and Services
- 7.19.4 FulenGen Site-directed Mutagenesis Service Revenue, Gross Margin and Market Share (2018-2023)
  - 7.19.5 FulenGen Recent Developments/Updates
  - 7.19.6 FulenGen Competitive Strengths & Weaknesses
- 7.20 GENEWIZ
  - 7.20.1 GENEWIZ Details
  - 7.20.2 GENEWIZ Major Business
  - 7.20.3 GENEWIZ Site-directed Mutagenesis Service Product and Services
- 7.20.4 GENEWIZ Site-directed Mutagenesis Service Revenue, Gross Margin and Market Share (2018-2023)
  - 7.20.5 GENEWIZ Recent Developments/Updates
  - 7.20.6 GENEWIZ Competitive Strengths & Weaknesses
- 7.21 iGene Biotechnology
  - 7.21.1 iGene Biotechnology Details
  - 7.21.2 iGene Biotechnology Major Business
  - 7.21.3 iGene Biotechnology Site-directed Mutagenesis Service Product and Services
- 7.21.4 iGene Biotechnology Site-directed Mutagenesis Service Revenue, Gross
- Margin and Market Share (2018-2023)
  - 7.21.5 iGene Biotechnology Recent Developments/Updates
  - 7.21.6 iGene Biotechnology Competitive Strengths & Weaknesses
- 7.22 Tsingke
  - 7.22.1 Tsingke Details
  - 7.22.2 Tsingke Major Business
  - 7.22.3 Tsingke Site-directed Mutagenesis Service Product and Services
- 7.22.4 Tsingke Site-directed Mutagenesis Service Revenue, Gross Margin and Market Share (2018-2023)
  - 7.22.5 Tsingke Recent Developments/Updates
  - 7.22.6 Tsingke Competitive Strengths & Weaknesses
- 7.23 AtaGenix
  - 7.23.1 AtaGenix Details
  - 7.23.2 AtaGenix Major Business
  - 7.23.3 AtaGenix Site-directed Mutagenesis Service Product and Services
- 7.23.4 AtaGenix Site-directed Mutagenesis Service Revenue, Gross Margin and
- Market Share (2018-2023)
  - 7.23.5 AtaGenix Recent Developments/Updates



- 7.23.6 AtaGenix Competitive Strengths & Weaknesses
- 7.24 Zoonbio Biotechnology
  - 7.24.1 Zoonbio Biotechnology Details
  - 7.24.2 Zoonbio Biotechnology Major Business
- 7.24.3 Zoonbio Biotechnology Site-directed Mutagenesis Service Product and Services
- 7.24.4 Zoonbio Biotechnology Site-directed Mutagenesis Service Revenue, Gross Margin and Market Share (2018-2023)
  - 7.24.5 Zoonbio Biotechnology Recent Developments/Updates
  - 7.24.6 Zoonbio Biotechnology Competitive Strengths & Weaknesses

#### **8 INDUSTRY CHAIN ANALYSIS**

- 8.1 Site-directed Mutagenesis Service Industry Chain
- 8.2 Site-directed Mutagenesis Service Upstream Analysis
- 8.3 Site-directed Mutagenesis Service Midstream Analysis
- 8.4 Site-directed Mutagenesis Service 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 Site-directed Mutagenesis Service Revenue by Region (2018, 2022 and 2029) & (USD Million), (by Headquarter Location)
- Table 2. World Site-directed Mutagenesis Service Revenue by Region (2018-2023) & (USD Million), (by Headquarter Location)
- Table 3. World Site-directed Mutagenesis Service Revenue by Region (2024-2029) & (USD Million), (by Headquarter Location)
- Table 4. World Site-directed Mutagenesis Service Revenue Market Share by Region (2018-2023), (by Headquarter Location)
- Table 5. World Site-directed Mutagenesis Service Revenue Market Share by Region (2024-2029), (by Headquarter Location)
- Table 6. Major Market Trends
- Table 7. World Site-directed Mutagenesis Service Consumption Value Growth Rate Forecast by Region (2018 & 2022 & 2029) & (USD Million)
- Table 8. World Site-directed Mutagenesis Service Consumption Value by Region (2018-2023) & (USD Million)
- Table 9. World Site-directed Mutagenesis Service Consumption Value Forecast by Region (2024-2029) & (USD Million)
- Table 10. World Site-directed Mutagenesis Service Revenue by Player (2018-2023) & (USD Million)
- Table 11. Revenue Market Share of Key Site-directed Mutagenesis Service Players in 2022
- Table 12. World Site-directed Mutagenesis Service Industry Rank of Major Player, Based on Revenue in 2022
- Table 13. Global Site-directed Mutagenesis Service Company Evaluation Quadrant
- Table 14. Head Office of Key Site-directed Mutagenesis Service Player
- Table 15. Site-directed Mutagenesis Service Market: Company Product Type Footprint
- Table 16. Site-directed Mutagenesis Service Market: Company Product Application Footprint
- Table 17. Site-directed Mutagenesis Service Mergers & Acquisitions Activity
- Table 18. United States VS China Site-directed Mutagenesis Service Market Size Comparison, (2018 & 2022 & 2029) & (USD Million)
- Table 19. United States VS China Site-directed Mutagenesis Service Consumption Value Comparison, (2018 & 2022 & 2029) & (USD Million)
- Table 20. United States Based Site-directed Mutagenesis Service Companies, Headquarters (States, Country)



Table 21. United States Based Companies Site-directed Mutagenesis Service Revenue, (2018-2023) & (USD Million)

Table 22. United States Based Companies Site-directed Mutagenesis Service Revenue Market Share (2018-2023)

Table 23. China Based Site-directed Mutagenesis Service Companies, Headquarters (Province, Country)

Table 24. China Based Companies Site-directed Mutagenesis Service Revenue, (2018-2023) & (USD Million)

Table 25. China Based Companies Site-directed Mutagenesis Service Revenue Market Share (2018-2023)

Table 26. Rest of World Based Site-directed Mutagenesis Service Companies, Headquarters (States, Country)

Table 27. Rest of World Based Companies Site-directed Mutagenesis Service Revenue, (2018-2023) & (USD Million)

Table 28. Rest of World Based Companies Site-directed Mutagenesis Service Revenue Market Share (2018-2023)

Table 29. World Site-directed Mutagenesis Service Market Size by Type, (USD Million), 2018 & 2022 & 2029

Table 30. World Site-directed Mutagenesis Service Market Size by Type (2018-2023) & (USD Million)

Table 31. World Site-directed Mutagenesis Service Market Size by Type (2024-2029) & (USD Million)

Table 32. World Site-directed Mutagenesis Service Market Size by Application, (USD Million), 2018 & 2022 & 2029

Table 33. World Site-directed Mutagenesis Service Market Size by Application (2018-2023) & (USD Million)

Table 34. World Site-directed Mutagenesis Service Market Size by Application (2024-2029) & (USD Million)

Table 35. GenScript Basic Information, Area Served and Competitors

Table 36. GenScript Major Business

Table 37. GenScript Site-directed Mutagenesis Service Product and Services

Table 38. GenScript Site-directed Mutagenesis Service Revenue, Gross Margin and Market Share (2018-2023) & (USD Million)

Table 39. GenScript Recent Developments/Updates

Table 40. GenScript Competitive Strengths & Weaknesses

Table 41. Eurofins Basic Information, Area Served and Competitors

Table 42. Eurofins Major Business

Table 43. Eurofins Site-directed Mutagenesis Service Product and Services

Table 44. Eurofins Site-directed Mutagenesis Service Revenue, Gross Margin and



- Market Share (2018-2023) & (USD Million)
- Table 45. Eurofins Recent Developments/Updates
- Table 46. Eurofins Competitive Strengths & Weaknesses
- Table 47. Applied Biological Materials Basic Information, Area Served and Competitors
- Table 48. Applied Biological Materials Major Business
- Table 49. Applied Biological Materials Site-directed Mutagenesis Service Product and Services
- Table 50. Applied Biological Materials Site-directed Mutagenesis Service Revenue,
- Gross Margin and Market Share (2018-2023) & (USD Million)
- Table 51. Applied Biological Materials Recent Developments/Updates
- Table 52. Applied Biological Materials Competitive Strengths & Weaknesses
- Table 53. Azenta Life Sciences Basic Information, Area Served and Competitors
- Table 54. Azenta Life Sciences Major Business
- Table 55. Azenta Life Sciences Site-directed Mutagenesis Service Product and Services
- Table 56. Azenta Life Sciences Site-directed Mutagenesis Service Revenue, Gross Margin and Market Share (2018-2023) & (USD Million)
- Table 57. Azenta Life Sciences Recent Developments/Updates
- Table 58. Azenta Life Sciences Competitive Strengths & Weaknesses
- Table 59. Thermo Fisher Scientific Basic Information, Area Served and Competitors
- Table 60. Thermo Fisher Scientific Major Business
- Table 61. Thermo Fisher Scientific Site-directed Mutagenesis Service Product and Services
- Table 62. Thermo Fisher Scientific Site-directed Mutagenesis Service Revenue, Gross Margin and Market Share (2018-2023) & (USD Million)
- Table 63. Thermo Fisher Scientific Recent Developments/Updates
- Table 64. Thermo Fisher Scientific Competitive Strengths & Weaknesses
- Table 65. Bon Opus Biosciences Basic Information, Area Served and Competitors
- Table 66. Bon Opus Biosciences Major Business
- Table 67. Bon Opus Biosciences Site-directed Mutagenesis Service Product and Services
- Table 68. Bon Opus Biosciences Site-directed Mutagenesis Service Revenue, Gross Margin and Market Share (2018-2023) & (USD Million)
- Table 69. Bon Opus Biosciences Recent Developments/Updates
- Table 70. Bon Opus Biosciences Competitive Strengths & Weaknesses
- Table 71. Charles Rive Basic Information, Area Served and Competitors
- Table 72. Charles Rive Major Business
- Table 73. Charles Rive Site-directed Mutagenesis Service Product and Services
- Table 74. Charles Rive Site-directed Mutagenesis Service Revenue, Gross Margin and



- Market Share (2018-2023) & (USD Million)
- Table 75. Charles Rive Recent Developments/Updates
- Table 76. Charles Rive Competitive Strengths & Weaknesses
- Table 77. Creative Biogene Basic Information, Area Served and Competitors
- Table 78. Creative Biogene Major Business
- Table 79. Creative Biogene Site-directed Mutagenesis Service Product and Services
- Table 80. Creative Biogene Site-directed Mutagenesis Service Revenue, Gross Margin and Market Share (2018-2023) & (USD Million)
- Table 81. Creative Biogene Recent Developments/Updates
- Table 82. Creative Biogene Competitive Strengths & Weaknesses
- Table 83. Synbio Technologies Basic Information, Area Served and Competitors
- Table 84. Synbio Technologies Major Business
- Table 85. Synbio Technologies Site-directed Mutagenesis Service Product and Services
- Table 86. Synbio Technologies Site-directed Mutagenesis Service Revenue, Gross
- Margin and Market Share (2018-2023) & (USD Million)
- Table 87. Synbio Technologies Recent Developments/Updates
- Table 88. Synbio Technologies Competitive Strengths & Weaknesses
- Table 89. Creative Biolabs Basic Information, Area Served and Competitors
- Table 90. Creative Biolabs Major Business
- Table 91. Creative Biolabs Site-directed Mutagenesis Service Product and Services
- Table 92. Creative Biolabs Site-directed Mutagenesis Service Revenue, Gross Margin and Market Share (2018-2023) & (USD Million)
- Table 93. Creative Biolabs Recent Developments/Updates
- Table 94. Creative Biolabs Competitive Strengths & Weaknesses
- Table 95. NovoPro Basic Information, Area Served and Competitors
- Table 96. NovoPro Major Business
- Table 97. NovoPro Site-directed Mutagenesis Service Product and Services
- Table 98. NovoPro Site-directed Mutagenesis Service Revenue, Gross Margin and
- Market Share (2018-2023) & (USD Million)
- Table 99. NovoPro Recent Developments/Updates
- Table 100. NovoPro Competitive Strengths & Weaknesses
- Table 101. Bionexus Basic Information, Area Served and Competitors
- Table 102. Bionexus Major Business
- Table 103. Bionexus Site-directed Mutagenesis Service Product and Services
- Table 104. Bionexus Site-directed Mutagenesis Service Revenue, Gross Margin and
- Market Share (2018-2023) & (USD Million)
- Table 105. Bionexus Recent Developments/Updates
- Table 106. Bionexus Competitive Strengths & Weaknesses
- Table 107. Biotech Desk Basic Information, Area Served and Competitors



- Table 108. Biotech Desk Major Business
- Table 109. Biotech Desk Site-directed Mutagenesis Service Product and Services
- Table 110. Biotech Desk Site-directed Mutagenesis Service Revenue, Gross Margin and Market Share (2018-2023) & (USD Million)
- Table 111. Biotech Desk Recent Developments/Updates
- Table 112. Biotech Desk Competitive Strengths & Weaknesses
- Table 113. NorClone Basic Information, Area Served and Competitors
- Table 114. NorClone Major Business
- Table 115. NorClone Site-directed Mutagenesis Service Product and Services
- Table 116. NorClone Site-directed Mutagenesis Service Revenue, Gross Margin and Market Share (2018-2023) & (USD Million)
- Table 117. NorClone Recent Developments/Updates
- Table 118. NorClone Competitive Strengths & Weaknesses
- Table 119. Eton Bioscience Basic Information, Area Served and Competitors
- Table 120. Eton Bioscience Major Business
- Table 121. Eton Bioscience Site-directed Mutagenesis Service Product and Services
- Table 122. Eton Bioscience Site-directed Mutagenesis Service Revenue, Gross Margin and Market Share (2018-2023) & (USD Million)
- Table 123. Eton Bioscience Recent Developments/Updates
- Table 124. Eton Bioscience Competitive Strengths & Weaknesses
- Table 125. Syd Labs Basic Information, Area Served and Competitors
- Table 126. Syd Labs Major Business
- Table 127. Syd Labs Site-directed Mutagenesis Service Product and Services
- Table 128. Syd Labs Site-directed Mutagenesis Service Revenue, Gross Margin and
- Market Share (2018-2023) & (USD Million)
- Table 129. Syd Labs Recent Developments/Updates
- Table 130. Syd Labs Competitive Strengths & Weaknesses
- Table 131. Genosphere Biotechnologies Basic Information, Area Served and Competitors
- Table 132. Genosphere Biotechnologies Major Business
- Table 133. Genosphere Biotechnologies Site-directed Mutagenesis Service Product and Services
- Table 134. Genosphere Biotechnologies Site-directed Mutagenesis Service Revenue,
- Gross Margin and Market Share (2018-2023) & (USD Million)
- Table 135. Genosphere Biotechnologies Recent Developments/Updates
- Table 136. Genosphere Biotechnologies Competitive Strengths & Weaknesses
- Table 137. WZ Biosciences Basic Information, Area Served and Competitors
- Table 138. WZ Biosciences Major Business
- Table 139. WZ Biosciences Site-directed Mutagenesis Service Product and Services



Table 140. WZ Biosciences Site-directed Mutagenesis Service Revenue, Gross Margin and Market Share (2018-2023) & (USD Million)

Table 141. WZ Biosciences Recent Developments/Updates

Table 142. WZ Biosciences Competitive Strengths & Weaknesses

Table 143. FulenGen Basic Information, Area Served and Competitors

Table 144. FulenGen Major Business

Table 145. FulenGen Site-directed Mutagenesis Service Product and Services

Table 146. FulenGen Site-directed Mutagenesis Service Revenue, Gross Margin and

Market Share (2018-2023) & (USD Million)

Table 147. FulenGen Recent Developments/Updates

Table 148. FulenGen Competitive Strengths & Weaknesses

Table 149. GENEWIZ Basic Information, Area Served and Competitors

Table 150. GENEWIZ Major Business

Table 151. GENEWIZ Site-directed Mutagenesis Service Product and Services

Table 152. GENEWIZ Site-directed Mutagenesis Service Revenue, Gross Margin and Market Share (2018-2023) & (USD Million)

Table 153. GENEWIZ Recent Developments/Updates

Table 154. GENEWIZ Competitive Strengths & Weaknesses

Table 155. iGene Biotechnology Basic Information, Area Served and Competitors

Table 156. iGene Biotechnology Major Business

Table 157. iGene Biotechnology Site-directed Mutagenesis Service Product and Services

Table 158. iGene Biotechnology Site-directed Mutagenesis Service Revenue, Gross

Margin and Market Share (2018-2023) & (USD Million)

Table 159. iGene Biotechnology Recent Developments/Updates

Table 160. iGene Biotechnology Competitive Strengths & Weaknesses

Table 161. Tsingke Basic Information, Area Served and Competitors

Table 162. Tsingke Major Business

Table 163. Tsingke Site-directed Mutagenesis Service Product and Services

Table 164. Tsingke Site-directed Mutagenesis Service Revenue, Gross Margin and

Market Share (2018-2023) & (USD Million)

Table 165. Tsingke Recent Developments/Updates

Table 166. Tsingke Competitive Strengths & Weaknesses

Table 167. AtaGenix Basic Information, Area Served and Competitors

Table 168. AtaGenix Major Business

Table 169. AtaGenix Site-directed Mutagenesis Service Product and Services

Table 170. AtaGenix Site-directed Mutagenesis Service Revenue, Gross Margin and

Market Share (2018-2023) & (USD Million)

Table 171. AtaGenix Recent Developments/Updates



- Table 172. Zoonbio Biotechnology Basic Information, Area Served and Competitors
- Table 173. Zoonbio Biotechnology Major Business
- Table 174. Zoonbio Biotechnology Site-directed Mutagenesis Service Product and Services
- Table 175. Zoonbio Biotechnology Site-directed Mutagenesis Service Revenue, Gross Margin and Market Share (2018-2023) & (USD Million)
- Table 176. Global Key Players of Site-directed Mutagenesis Service Upstream (Raw Materials)
- Table 177. Site-directed Mutagenesis Service Typical Customers



# **List Of Figures**

#### LIST OF FIGURES

Figure 1. Site-directed Mutagenesis Service Picture

Figure 2. World Site-directed Mutagenesis Service Total Market Size: 2018 & 2022 & 2029, (USD Million)

Figure 3. World Site-directed Mutagenesis Service Total Market Size (2018-2029) & (USD Million)

Figure 4. World Site-directed Mutagenesis Service Revenue Market Share by Region (2018, 2022 and 2029) & (USD Million), (by Headquarter Location)

Figure 5. World Site-directed Mutagenesis Service Revenue Market Share by Region (2018-2029), (by Headquarter Location)

Figure 6. United States Based Company Site-directed Mutagenesis Service Revenue (2018-2029) & (USD Million)

Figure 7. China Based Company Site-directed Mutagenesis Service Revenue (2018-2029) & (USD Million)

Figure 8. Europe Based Company Site-directed Mutagenesis Service Revenue (2018-2029) & (USD Million)

Figure 9. Japan Based Company Site-directed Mutagenesis Service Revenue (2018-2029) & (USD Million)

Figure 10. South Korea Based Company Site-directed Mutagenesis Service Revenue (2018-2029) & (USD Million)

Figure 11. ASEAN Based Company Site-directed Mutagenesis Service Revenue (2018-2029) & (USD Million)

Figure 12. India Based Company Site-directed Mutagenesis Service Revenue (2018-2029) & (USD Million)

Figure 13. Site-directed Mutagenesis Service Market Drivers

Figure 14. Factors Affecting Demand

Figure 15. World Site-directed Mutagenesis Service Consumption Value (2018-2029) & (USD Million)

Figure 16. World Site-directed Mutagenesis Service Consumption Value Market Share by Region (2018-2029)

Figure 17. United States Site-directed Mutagenesis Service Consumption Value (2018-2029) & (USD Million)

Figure 18. China Site-directed Mutagenesis Service Consumption Value (2018-2029) & (USD Million)

Figure 19. Europe Site-directed Mutagenesis Service Consumption Value (2018-2029) & (USD Million)



Figure 20. Japan Site-directed Mutagenesis Service Consumption Value (2018-2029) & (USD Million)

Figure 21. South Korea Site-directed Mutagenesis Service Consumption Value (2018-2029) & (USD Million)

Figure 22. ASEAN Site-directed Mutagenesis Service Consumption Value (2018-2029) & (USD Million)

Figure 23. India Site-directed Mutagenesis Service Consumption Value (2018-2029) & (USD Million)

Figure 24. Producer Shipments of Site-directed Mutagenesis Service by Player Revenue (\$MM) and Market Share (%): 2022

Figure 25. Global Four-firm Concentration Ratios (CR4) for Site-directed Mutagenesis Service Markets in 2022

Figure 26. Global Four-firm Concentration Ratios (CR8) for Site-directed Mutagenesis Service Markets in 2022

Figure 27. United States VS China: Site-directed Mutagenesis Service Revenue Market Share Comparison (2018 & 2022 & 2029)

Figure 28. United States VS China: Site-directed Mutagenesis Service Consumption Value Market Share Comparison (2018 & 2022 & 2029)

Figure 29. World Site-directed Mutagenesis Service Market Size by Type, (USD Million), 2018 & 2022 & 2029

Figure 30. World Site-directed Mutagenesis Service Market Size Market Share by Type in 2022

Figure 31. Standard Site-directed Mutagenesis Service

Figure 32. Customized Site-directed Mutagenesis Service

Figure 33. World Site-directed Mutagenesis Service Market Size Market Share by Type (2018-2029)

Figure 34. World Site-directed Mutagenesis Service Market Size by Application, (USD Million), 2018 & 2022 & 2029

Figure 35. World Site-directed Mutagenesis Service Market Size Market Share by Application in 2022

Figure 36. Scientific Research

Figure 37. Gene Therapy

Figure 38. Cell Therapy

Figure 39. Others

Figure 40. Site-directed Mutagenesis Service Industrial Chain

Figure 41. Methodology

Figure 42. Research Process and Data Source



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