

Global Gene Amplification Technologies Market Size study, By Technology (PCR-based Amplification, Loop-mediated Isothermal Amplification, Nucleic Acid Sequence Based Amplification, Strand Displacement Amplification, Multiple Displacement Amplification, Rolling Circle Amplification, Ramification Amplification, Others) By Downstream (Whole Genome Amplification, Exome Sequencing, SNP Genotyping Arrays, Array CGH, Hybridization, Others) By Sample Type (Single Cell, FFPE, Others) By Product (Instruments, Kits & Reagents, Services) By End Use (Pharmaceutical & Biotechnology Companies, Academic & Research Institutes, Others) and Regional Forecasts 2021-2027

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Abstracts

Global Gene Amplification Technologies Market is valued at approximately USD 26.28 billion in 2020 and is anticipated to grow with a healthy growth rate of more than 2.0 % over the forecast period 2021-2027. Gene Amplification is a technology used by scientists for the amplification of gene sequence in a test tube. It is basically a laboratory technique based on a polymerase chain reaction. In gene amplification technology number of copies of a gene are increased without affecting proportional increase in other genes. The increasing incidence of chronic diseases has led to the adoption of Gene Amplification Technologies across the forecast period. For Instance:

According to World Health Organization, the cases of diabetes are increasing rapidly. In 2019, number of deaths caused by diabetes was 1.5 million. According to Food and Agriculture Organization (FAO), the incidences of chronic diseases is increasing rapidly. It is estimated that by 2020 chronic diseases will cause the highest percentage of deaths globally. 75 % of deaths due to stroke and 71 % of death caused due to heart disease. Rising R&D in molecular diagnostics arena and genomics pushes the market growth of gene amplification technologies market. However, the increasing cost of PCR instruments impedes the growth of the market over the forecast period of 2021-2027. Also, with expanding applications in cell & gene therapies the adoption & demand for gene Amplification Technologies is likely to increase the market growth during the forecast period.

The regional analysis of the global Gene Amplification Technologies market is considered for the key regions such as Asia Pacific, North America, Europe, Latin America and Rest of the World. North America is the significant region across the world in terms of market share owing to increasing genetic research programs. Whereas Asia-Pacific is also anticipated to exhibit the highest growth rate over the forecast period 2021-2027. Factors such as rising government initiatives for the advancement of health care infrastructure, rising activities in molecular diagnostics space and genomics would create lucrative growth prospects for the Gene Amplification Technologies market across Asia-Pacific region.

Major market player included in this report are:

Con QIAGEN

New England Biolabs

Illumina Inc.

Yikang Gene

Bio-Rad Laboratories

Silicon Biosystems

Merck KGaA

Promega Corporation

Takara Bio Inc.

Danaher Corporation

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors &

challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Technology:

- PCR-based Amplification
- Loop-mediated Isothermal Amplification
- Nucleic Acid Sequence Based Amplification
- Strand Displacement Amplification
- Multiple Displacement Amplification
- Rolling Circle Amplification
- Ramification Amplification
- Others

By Downstream Application:

- Whole Genome Amplification
- Exome Sequencing
- SNP Genotyping Arrays
- Array CGH
- Hybridization
- Others

By Sample:

- Single Cell
- FFPE
- Others

By Product:

- Instruments
- Kits & Reagents
- Services

By End-use:

- Pharmaceutical & Biotechnology Companies
- Academic & Research Institutes
- Others

By Region:

- North America
- U.S.
- Canada
- Europe

UK
Germany
France
Spain
Italy
ROE

Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC
Latin America
Brazil
Mexico
Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019
Base year – 2020
Forecast period – 2021 to 2027

Target Audience of the Global Gene Amplification Technologies Market in Market Study:

Key Consulting Companies & Advisors
Large, medium-sized, and small enterprises
Venture capitalists
Value-Added Resellers (VARs)
Third-party knowledge providers
Investment bankers
Investors

Contents

CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2019-2027 (USD Billion)
 - 1.2.1. Global Gene Amplification Technologies Market, by Region, 2019-2027 (USD Billion)
 - 1.2.2. Global Gene Amplification Technologies Market, by Technology, 2019-2027 (USD Billion)
 - 1.2.3. Global Gene Amplification Technologies Market, by Downstream Application, 2019-2027 (USD Billion)
 - 1.2.4. Global Gene Amplification Technologies Market, by Sample, 2019-2027 (USD Billion)
 - 1.2.5. Global Gene Amplification Technologies Market, by Product, 2019-2027 (USD Billion)
 - 1.2.6. Global Gene Amplification Technologies Market, by End-use, 2019-2027 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL GENE AMPLIFICATION TECHNOLOGIES MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
 - 2.2.1. Scope of the Study
 - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

CHAPTER 3. GLOBAL GENE AMPLIFICATION TECHNOLOGIES MARKET DYNAMICS

- 3.1. Gene Amplification Technologies Market Impact Analysis (2019-2027)
 - 3.1.1. Market Drivers
 - 3.1.1.1. Increasing cases of chronic diseases
 - 3.1.1.2. Rising R&D in molecular diagnostics arena and genomics

3.1.2. Market Challenges

3.1.2.1. Increasing cost of PCR instruments

3.1.3. Market Opportunities

3.1.3.1. Expanding applications in cell & gene therapies

CHAPTER 4. GLOBAL GENE AMPLIFICATION TECHNOLOGIES MARKET INDUSTRY ANALYSIS

4.1. Porter's 5 Force Model

4.1.1. Bargaining Power of Suppliers

4.1.2. Bargaining Power of Buyers

4.1.3. Threat of New Entrants

4.1.4. Threat of Substitutes

4.1.5. Competitive Rivalry

4.1.6. Futuristic Approach to Porter's 5 Force Model (2018-2027)

4.2. PEST Analysis

4.2.1. Political

4.2.2. Economical

4.2.3. Social

4.2.4. Technological

4.3. Investment Adoption Model

4.4. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL GENE AMPLIFICATION TECHNOLOGIES MARKET, BY TECHNOLOGY

5.1. Market Snapshot

5.2. Global Gene Amplification Technologies Market by Technology, Performance - Potential Analysis

5.3. Global Gene Amplification Technologies Market Estimates & Forecasts by Technology 2018-2027 (USD Billion)

5.4. Gene Amplification Technologies Market, Sub Segment Analysis

5.4.1. PCR-based Amplification

5.4.2. Loop-mediated Isothermal Amplification

5.4.3. Nucleic Acid Sequence Based Amplification

5.4.4. Strand Displacement Amplification

5.4.5. Multiple Displacement Amplification

5.4.6. Rolling Circle Amplification

5.4.7. Ramification Amplification

5.4.8. Others

CHAPTER 6. GLOBAL GENE AMPLIFICATION TECHNOLOGIES MARKET, BY DOWNSTREAM APPLICATION

6.1. Market Snapshot

6.2. Global Gene Amplification Technologies Market by Downstream Application, Performance - Potential Analysis

6.3. Global Gene Amplification Technologies Market Estimates & Forecasts by Downstream Application 2018-2027 (USD Billion)

6.4. Gene Amplification Technologies Market, Sub Segment Analysis

6.4.1. Whole Genome Amplification

6.4.2. Exome Sequencing

6.4.3. SNP Genotyping Arrays

6.4.4. Array CGH

6.4.5. Hybridization

6.4.6. Others

CHAPTER 7. GLOBAL GENE AMPLIFICATION TECHNOLOGIES MARKET, BY SAMPLE

7.1. Market Snapshot

7.2. Global Gene Amplification Technologies Market by Sample Performance - Potential Analysis

7.3. Global Gene Amplification Technologies Market Estimates & Forecasts by Sample 2018-2027 (USD Billion)

7.4. Gene Amplification Technologies Market, Sub Segment Analysis

7.4.1. Single Cell

7.4.2. FFPE

7.4.3. Others

CHAPTER 8. GLOBAL GENE AMPLIFICATION TECHNOLOGIES MARKET, BY PRODUCT

8.1. Market Snapshot

8.2. Global Gene Amplification Technologies Market by Product, Performance - Potential Analysis

8.3. Global Gene Amplification Technologies Market Estimates & Forecasts by Product 2018-2027 (USD Billion)

8.4. Gene Amplification Technologies Market, Sub Segment Analysis

- 8.4.1. Instruments
- 8.4.2. Kits & Reagents
- 8.4.3. Services

CHAPTER 9. GLOBAL GENE AMPLIFICATION TECHNOLOGIES MARKET, BY END-USE

9.1. Market Snapshot

9.2. Global Gene Amplification Technologies Market by End-use Performance - Potential Analysis

9.3. Global Gene Amplification Technologies Market Estimates & Forecasts by End-use 2018-2027 (USD Billion)

9.4. Gene Amplification Technologies Market, Sub Segment Analysis

- 9.4.1. Pharmaceutical & Biotechnology Companies
- 9.4.2. Academic & Research Institutes
- 9.4.3. Others

CHAPTER 10. GLOBAL GENE AMPLIFICATION TECHNOLOGIES MARKET, REGIONAL ANALYSIS

10.1. Gene Amplification Technologies Market, Regional Market Snapshot

10.2. North America Gene Amplification Technologies Market

10.2.1. U.S. Gene Amplification Technologies Market

- 10.2.1.1. Technology breakdown estimates & forecasts, 2018-2027
- 10.2.1.2. Downstream Application breakdown estimates & forecasts, 2018-2027
- 10.2.1.3. Sample breakdown estimates & forecasts, 2018-2027
- 10.2.1.4. Product breakdown estimates & forecasts, 2018-2027
- 10.2.1.5. End-use breakdown estimates & forecasts, 2018-2027

10.2.2. Canada Gene Amplification Technologies Market

10.3. Europe Gene Amplification Technologies Market Snapshot

10.3.1. U.K. Gene Amplification Technologies Market

10.3.2. Germany Gene Amplification Technologies Market

10.3.3. France Gene Amplification Technologies Market

10.3.4. Spain Gene Amplification Technologies Market

10.3.5. Italy Gene Amplification Technologies Market

10.3.6. Rest of Europe Gene Amplification Technologies Market

10.4. Asia-Pacific Gene Amplification Technologies Market Snapshot

10.4.1. China Gene Amplification Technologies Market

- 10.4.2. India Gene Amplification Technologies Market
- 10.4.3. Japan Gene Amplification Technologies Market
- 10.4.4. Australia Gene Amplification Technologies Market
- 10.4.5. South Korea Gene Amplification Technologies Market
- 10.4.6. Rest of Asia Pacific Gene Amplification Technologies Market
- 10.5. Latin America Gene Amplification Technologies Market Snapshot
 - 10.5.1. Brazil Gene Amplification Technologies Market
 - 10.5.2. Mexico Gene Amplification Technologies Market
- 10.6. Rest of The World Gene Amplification Technologies Market

CHAPTER 11. COMPETITIVE INTELLIGENCE

- 11.1. Top Market Strategies
- 11.2. Company Profiles
 - 11.2.1. Con QIAGEN
 - 11.2.1.1. Key Information
 - 11.2.1.2. Overview
 - 11.2.1.3. Financial (Subject to Data Availability)
 - 11.2.1.4. Product Summary
 - 11.2.1.5. Recent Developments
 - 11.2.2. New England Biolabs
 - 11.2.3. Illumina Inc.
 - 11.2.4. Yikang Gene
 - 11.2.5. Bio-Rad Laboratories
 - 11.2.6. Silicon Biosystems
 - 11.2.7. Merck KGaA
 - 11.2.8. Promega Corporation
 - 11.2.9. Takara Bio Inc.
 - 11.2.10. Danaher Corporation

CHAPTER 12. RESEARCH PROCESS

- 12.1. Research Process
 - 12.1.1. Data Mining
 - 12.1.2. Analysis
 - 12.1.3. Market Estimation
 - 12.1.4. Validation
 - 12.1.5. Publishing
- 12.2. Research Attributes

12.3. Research Assumption

List Of Tables

LIST OF TABLES

- TABLE 1. Global Gene Amplification Technologies market, report scope
- TABLE 2. Global Gene Amplification Technologies market estimates & forecasts by Region 2018-2027 (USD Billion)
- TABLE 3. Global Gene Amplification Technologies market estimates & forecasts by Technology 2018-2027 (USD Billion)
- TABLE 4. Global Gene Amplification Technologies market estimates & forecasts by Downstream Application 2018-2027 (USD Billion)
- TABLE 5. Global Gene Amplification Technologies market estimates & forecasts by Sample 2018-2027 (USD Billion)
- TABLE 6. Global Gene Amplification Technologies market estimates & forecasts by Product 2018-2027 (USD Billion)
- TABLE 7. Global Gene Amplification Technologies market estimates & forecasts by End-use 2018-2027 (USD Billion)
- TABLE 8. Global Gene Amplification Technologies market by segment, estimates & forecasts, 2018-2027 (USD Billion)
- TABLE 9. Global Gene Amplification Technologies market by region, estimates & forecasts, 2018-2027 (USD Billion)
- TABLE 10. Global Gene Amplification Technologies market by segment, estimates & forecasts, 2018-2027 (USD Billion)
- TABLE 11. Global Gene Amplification Technologies market by region, estimates & forecasts, 2018-2027 (USD Billion)
- TABLE 12. Global Gene Amplification Technologies market by segment, estimates & forecasts, 2018-2027 (USD Billion)
- TABLE 13. Global Gene Amplification Technologies market by region, estimates & forecasts, 2018-2027 (USD Billion)
- TABLE 14. Global Gene Amplification Technologies market by segment, estimates & forecasts, 2018-2027 (USD Billion)
- TABLE 15. Global Gene Amplification Technologies market by region, estimates & forecasts, 2018-2027 (USD Billion)
- TABLE 16. Global Gene Amplification Technologies market by segment, estimates & forecasts, 2018-2027 (USD Billion)
- TABLE 17. Global Gene Amplification Technologies market by region, estimates & forecasts, 2018-2027 (USD Billion)
- TABLE 18. U.S. Gene Amplification Technologies market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 19. U.S. Gene Amplification Technologies market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 20. U.S. Gene Amplification Technologies market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 21. Canada Gene Amplification Technologies market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 22. Canada Gene Amplification Technologies market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 23. Canada Gene Amplification Technologies market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 24. UK Gene Amplification Technologies market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 25. UK Gene Amplification Technologies market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 26. UK Gene Amplification Technologies market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 27. Germany Gene Amplification Technologies market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 28. Germany Gene Amplification Technologies market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 29. Germany Gene Amplification Technologies market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 30. RoE Gene Amplification Technologies market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 31. RoE Gene Amplification Technologies market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 32. RoE Gene Amplification Technologies market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 33. China Gene Amplification Technologies market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 34. China Gene Amplification Technologies market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 35. China Gene Amplification Technologies market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 36. India Gene Amplification Technologies market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 37. India Gene Amplification Technologies market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 38. India Gene Amplification Technologies market estimates & forecasts by

segment 2018-2027 (USD Billion)

TABLE 39. Japan Gene Amplification Technologies market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 40. Japan Gene Amplification Technologies market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 41. Japan Gene Amplification Technologies market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 42. RoAPAC Gene Amplification Technologies market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 43. RoAPAC Gene Amplification Technologies market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 44. RoAPAC Gene Amplification Technologies market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 45. Brazil Gene Amplification Technologies market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 46. Brazil Gene Amplification Technologies market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 47. Brazil Gene Amplification Technologies market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 48. Mexico Gene Amplification Technologies market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 49. Mexico Gene Amplification Technologies market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 50. Mexico Gene Amplification Technologies market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 51. RoLA Gene Amplification Technologies market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 52. RoLA Gene Amplification Technologies market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 53. RoLA Gene Amplification Technologies market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 54. Row Gene Amplification Technologies market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 55. Row Gene Amplification Technologies market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 56. Row Gene Amplification Technologies market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 57. List of secondary sources, used in the study of global Gene Amplification Technologies market

TABLE 58. List of primary sources, used in the study of global Gene Amplification Technologies market

TABLE 59. Years considered for the study

TABLE 60. Exchange rates considered

List Of Figures

LIST OF FIGURES

- FIG 1. Global Gene Amplification Technologies market, research methodology
- FIG 2. Global Gene Amplification Technologies market, market estimation techniques
- FIG 3. Global market size estimates & forecast methods
- FIG 4. Global Gene Amplification Technologies market, key trends 2020
- FIG 5. Global Gene Amplification Technologies market, growth prospects 2021-2027
- FIG 6. Global Gene Amplification Technologies market, porters 5 force model
- FIG 7. Global Gene Amplification Technologies market, pest analysis
- FIG 8. Global Gene Amplification Technologies market, value chain analysis
- FIG 9. Global Gene Amplification Technologies market by segment, 2018 & 2027 (USD Billion)
- FIG 10. Global Gene Amplification Technologies market by segment, 2018 & 2027 (USD Billion)
- FIG 11. Global Gene Amplification Technologies market by segment, 2018 & 2027 (USD Billion)
- FIG 12. Global Gene Amplification Technologies market by segment, 2018 & 2027 (USD Billion)
- FIG 13. Global Gene Amplification Technologies market by segment, 2018 & 2027 (USD Billion)
- FIG 14. Global Gene Amplification Technologies market, regional snapshot 2018 & 2027
- FIG 15. North America Gene Amplification Technologies market 2018 & 2027 (USD Billion)
- FIG 16. Europe Gene Amplification Technologies market 2018 & 2027 (USD Billion)
- FIG 17. Asia pacific Gene Amplification Technologies market 2018 & 2027 (USD Billion)
- FIG 18. Latin America Gene Amplification Technologies market 2018 & 2027 (USD Billion)
- FIG 19. Global Gene Amplification Technologies market, company market share analysis (2020)

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