

Global Portable Thermal Cycler Market Research Report 2025(Status and Outlook)

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Abstracts

Report Overview

The portable thermal cycler market is experiencing significant growth driven by advancements in molecular diagnostics, point-of-care testing, and field research applications. These compact, lightweight devices are designed to perform polymerase chain reaction (PCR) amplification outside traditional laboratory settings, offering rapid and accurate results for applications such as infectious disease detection, genetic testing, and environmental monitoring. Key demand drivers include the increasing need for decentralized testing in remote or resource-limited areas, the rise of personalized medicine, and the growing adoption of portable diagnostic tools in veterinary and agricultural sectors. The market is characterized by innovations in battery-powered and smartphone-integrated thermal cyclers, reducing reliance on laboratory infrastructure. However, challenges such as limited throughput compared to benchtop models and regulatory hurdles in some regions may restrain growth. Major players are focusing on enhancing portability, user-friendliness, and connectivity features to cater to diverse end-user needs across healthcare, research, and industrial applications. The COVID-19 pandemic has further accelerated demand, highlighting the critical role of portable PCR solutions in outbreak response and surveillance.

This report provides a deep insight into the global Portable Thermal Cycler market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, SWOT analysis, value chain analysis, etc.

The analysis helps the reader to shape the competition within the industries and strategies for the competitive environment to enhance the potential profit. Furthermore, it provides a simple framework for evaluating and accessing the position of the business

organization. The report structure also focuses on the competitive landscape of the Global Portable Thermal Cycler Market, this report introduces in detail the market share, market performance, product situation, operation situation, etc. of the main players, which helps the readers in the industry to identify the main competitors and deeply understand the competition pattern of the market.

In a word, this report is a must-read for industry players, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the Portable Thermal Cycler market in any manner.

Global Portable Thermal Cycler Market: Market Segmentation Analysis

The research report includes specific segments by region (country), manufacturers, Type, and Application. Market segmentation creates subsets of a market based on product type, end-user or application, Geographic, and other factors. By understanding the market segments, the decision-maker can leverage this targeting in the product, sales, and marketing strategies. Market segments can power your product development cycles by informing how you create product offerings for different segments.

Key Company

Blue-Ray Biotech
Thermo Fisher
miniPCR bio
Auxilab S.L.
Ahram Biosystems
Inc
DLAB Scientific
Bioer Technology
Eppendorf
Tianlong
Orient Gene Biotech Co
Dongshengchuangxin
Novogene

Market Segmentation (by Type)

4.6 °C/sec
5.5 °C/sec
Others

Market Segmentation (by Application)

Universities
Hospitals
Others

Geographic Segmentation

North America (USA, Canada, Mexico)
Europe (Germany, UK, France, Russia, Italy, Rest of Europe)
Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)
South America (Brazil, Argentina, Columbia, Rest of South America)
The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study
Neutral perspective on the market performance
Recent industry trends and developments
Competitive landscape & strategies of key players
Potential & niche segments and regions exhibiting promising growth covered
Historical, current, and projected market size, in terms of value
In-depth analysis of the Portable Thermal Cyclers Market
Overview of the regional outlook of the Portable Thermal Cyclers Market:

Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the Portable Thermal Cyclers Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan,

merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 shares the main producing countries of Portable Thermal Cycler, their output value, profit level, regional supply, production capacity layout, etc. from the supply side.

Chapter 10 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 11 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 12 provides a quantitative analysis of the market size and development potential of each market segment in the next five years.

Chapter 13 is the main points and conclusions of the report.

Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors
You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

Customization of the Report

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Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

- 1.1 Market Definition and Statistical Scope of Portable Thermal Cyclers
- 1.2 Key Market Segments
 - 1.2.1 Portable Thermal Cyclers Segment by Type
 - 1.2.2 Portable Thermal Cyclers Segment by Application
- 1.3 Methodology & Sources of Information
 - 1.3.1 Research Methodology
 - 1.3.2 Research Process
 - 1.3.3 Market Breakdown and Data Triangulation
 - 1.3.4 Base Year
 - 1.3.5 Report Assumptions & Caveats

2 PORTABLE THERMAL CYCLER MARKET OVERVIEW

- 2.1 Global Market Overview
 - 2.1.1 Global Portable Thermal Cyclers Market Size (M USD) Estimates and Forecasts (2020-2033)
 - 2.1.2 Global Portable Thermal Cyclers Sales Estimates and Forecasts (2020-2033)
- 2.2 Market Segment Executive Summary
- 2.3 Global Market Size by Region

3 PORTABLE THERMAL CYCLER MARKET COMPETITIVE LANDSCAPE

- 3.1 Company Assessment Quadrant
- 3.2 Global Portable Thermal Cyclers Product Life Cycle
- 3.3 Global Portable Thermal Cyclers Sales by Manufacturers (2020-2025)
- 3.4 Global Portable Thermal Cyclers Revenue Market Share by Manufacturers (2020-2025)
- 3.5 Portable Thermal Cyclers Market Share by Company Type (Tier 1, Tier 2, and Tier 3)
- 3.6 Global Portable Thermal Cyclers Average Price by Manufacturers (2020-2025)
- 3.7 Manufacturers? Manufacturing Sites, Areas Served, and Product Types
- 3.8 Portable Thermal Cyclers Market Competitive Situation and Trends
 - 3.8.1 Portable Thermal Cyclers Market Concentration Rate
 - 3.8.2 Global 5 and 10 Largest Portable Thermal Cyclers Players Market Share by Revenue
 - 3.8.3 Mergers & Acquisitions, Expansion

4 PORTABLE THERMAL CYCLER INDUSTRY CHAIN ANALYSIS

- 4.1 Portable Thermal Cyclus Industry Chain Analysis
- 4.2 Market Overview of Key Raw Materials
- 4.3 Midstream Market Analysis
- 4.4 Downstream Customer Analysis

5 THE DEVELOPMENT AND DYNAMICS OF PORTABLE THERMAL CYCLER MARKET

- 5.1 Key Development Trends
- 5.2 Driving Factors
- 5.3 Market Challenges
- 5.4 Industry News
 - 5.4.1 New Product Developments
 - 5.4.2 Mergers & Acquisitions
 - 5.4.3 Expansions
 - 5.4.4 Collaboration/Supply Contracts
- 5.5 PEST Analysis
 - 5.5.1 Industry Policies Analysis
 - 5.5.2 Economic Environment Analysis
 - 5.5.3 Social Environment Analysis
 - 5.5.4 Technological Environment Analysis
- 5.6 Global Portable Thermal Cyclus Market Porter's Five Forces Analysis
 - 5.6.1 Global Trade Frictions
 - 5.6.2 U.S. Tariff Policy ? April 2025
 - 5.6.3 Global Trade Frictions and Their Impacts to Portable Thermal Cyclus Market
- 5.7 ESG Ratings of Leading Companies

6 PORTABLE THERMAL CYCLER MARKET SEGMENTATION BY TYPE

- 6.1 Evaluation Matrix of Segment Market Development Potential (Type)
- 6.2 Global Portable Thermal Cyclus Sales Market Share by Type (2020-2025)
- 6.3 Global Portable Thermal Cyclus Market Size Market Share by Type (2020-2025)
- 6.4 Global Portable Thermal Cyclus Price by Type (2020-2025)

7 PORTABLE THERMAL CYCLER MARKET SEGMENTATION BY APPLICATION

- 7.1 Evaluation Matrix of Segment Market Development Potential (Application)
- 7.2 Global Portable Thermal Cyclers Market Sales by Application (2020-2025)
- 7.3 Global Portable Thermal Cyclers Market Size (M USD) by Application (2020-2025)
- 7.4 Global Portable Thermal Cyclers Sales Growth Rate by Application (2020-2025)

8 PORTABLE THERMAL CYCLER MARKET SALES BY REGION

- 8.1 Global Portable Thermal Cyclers Sales by Region
 - 8.1.1 Global Portable Thermal Cyclers Sales by Region
 - 8.1.2 Global Portable Thermal Cyclers Sales Market Share by Region
- 8.2 Global Portable Thermal Cyclers Market Size by Region
 - 8.2.1 Global Portable Thermal Cyclers Market Size by Region
 - 8.2.2 Global Portable Thermal Cyclers Market Size Market Share by Region
- 8.3 North America
 - 8.3.1 North America Portable Thermal Cyclers Sales by Country
 - 8.3.2 North America Portable Thermal Cyclers Market Size by Country
 - 8.3.3 U.S. Market Overview
 - 8.3.4 Canada Market Overview
 - 8.3.5 Mexico Market Overview
- 8.4 Europe
 - 8.4.1 Europe Portable Thermal Cyclers Sales by Country
 - 8.4.2 Europe Portable Thermal Cyclers Market Size by Country
 - 8.4.3 Germany Market Overview
 - 8.4.4 France Market Overview
 - 8.4.5 U.K. Market Overview
 - 8.4.6 Italy Market Overview
 - 8.4.7 Spain Market Overview
- 8.5 Asia Pacific
 - 8.5.1 Asia Pacific Portable Thermal Cyclers Sales by Region
 - 8.5.2 Asia Pacific Portable Thermal Cyclers Market Size by Region
 - 8.5.3 China Market Overview
 - 8.5.4 Japan Market Overview
 - 8.5.5 South Korea Market Overview
 - 8.5.6 India Market Overview
 - 8.5.7 Southeast Asia Market Overview
- 8.6 South America
 - 8.6.1 South America Portable Thermal Cyclers Sales by Country
 - 8.6.2 South America Portable Thermal Cyclers Market Size by Country
 - 8.6.3 Brazil Market Overview

8.6.4 Argentina Market Overview

8.6.5 Columbia Market Overview

8.7 Middle East and Africa

8.7.1 Middle East and Africa Portable Thermal Cyclers Sales by Region

8.7.2 Middle East and Africa Portable Thermal Cyclers Market Size by Region

8.7.3 Saudi Arabia Market Overview

8.7.4 UAE Market Overview

8.7.5 Egypt Market Overview

8.7.6 Nigeria Market Overview

8.7.7 South Africa Market Overview

9 PORTABLE THERMAL CYCLER MARKET PRODUCTION BY REGION

9.1 Global Production of Portable Thermal Cyclers by Region(2020-2025)

9.2 Global Portable Thermal Cyclers Revenue Market Share by Region (2020-2025)

9.3 Global Portable Thermal Cyclers Production, Revenue, Price and Gross Margin (2020-2025)

9.4 North America Portable Thermal Cyclers Production

9.4.1 North America Portable Thermal Cyclers Production Growth Rate (2020-2025)

9.4.2 North America Portable Thermal Cyclers Production, Revenue, Price and Gross Margin (2020-2025)

9.5 Europe Portable Thermal Cyclers Production

9.5.1 Europe Portable Thermal Cyclers Production Growth Rate (2020-2025)

9.5.2 Europe Portable Thermal Cyclers Production, Revenue, Price and Gross Margin (2020-2025)

9.6 Japan Portable Thermal Cyclers Production (2020-2025)

9.6.1 Japan Portable Thermal Cyclers Production Growth Rate (2020-2025)

9.6.2 Japan Portable Thermal Cyclers Production, Revenue, Price and Gross Margin (2020-2025)

9.7 China Portable Thermal Cyclers Production (2020-2025)

9.7.1 China Portable Thermal Cyclers Production Growth Rate (2020-2025)

9.7.2 China Portable Thermal Cyclers Production, Revenue, Price and Gross Margin (2020-2025)

10 KEY COMPANIES PROFILE

10.1 Blue-Ray Biotech

10.1.1 Blue-Ray Biotech Basic Information

10.1.2 Blue-Ray Biotech Portable Thermal Cyclers Product Overview

- 10.1.3 Blue-Ray Biotech Portable Thermal Cycler Product Market Performance
- 10.1.4 Blue-Ray Biotech Business Overview
- 10.1.5 Blue-Ray Biotech SWOT Analysis
- 10.1.6 Blue-Ray Biotech Recent Developments
- 10.2 Thermo Fisher
 - 10.2.1 Thermo Fisher Basic Information
 - 10.2.2 Thermo Fisher Portable Thermal Cycler Product Overview
 - 10.2.3 Thermo Fisher Portable Thermal Cycler Product Market Performance
 - 10.2.4 Thermo Fisher Business Overview
 - 10.2.5 Thermo Fisher SWOT Analysis
 - 10.2.6 Thermo Fisher Recent Developments
- 10.3 miniPCR bio
 - 10.3.1 miniPCR bio Basic Information
 - 10.3.2 miniPCR bio Portable Thermal Cycler Product Overview
 - 10.3.3 miniPCR bio Portable Thermal Cycler Product Market Performance
 - 10.3.4 miniPCR bio Business Overview
 - 10.3.5 miniPCR bio SWOT Analysis
 - 10.3.6 miniPCR bio Recent Developments
- 10.4 Auxilab S.L.
 - 10.4.1 Auxilab S.L. Basic Information
 - 10.4.2 Auxilab S.L. Portable Thermal Cycler Product Overview
 - 10.4.3 Auxilab S.L. Portable Thermal Cycler Product Market Performance
 - 10.4.4 Auxilab S.L. Business Overview
 - 10.4.5 Auxilab S.L. Recent Developments
- 10.5 Ahram Biosystems
 - 10.5.1 Ahram Biosystems Basic Information
 - 10.5.2 Ahram Biosystems Portable Thermal Cycler Product Overview
 - 10.5.3 Ahram Biosystems Portable Thermal Cycler Product Market Performance
 - 10.5.4 Ahram Biosystems Business Overview
 - 10.5.5 Ahram Biosystems Recent Developments
- 10.6 Inc
 - 10.6.1 Inc Basic Information
 - 10.6.2 Inc Portable Thermal Cycler Product Overview
 - 10.6.3 Inc Portable Thermal Cycler Product Market Performance
 - 10.6.4 Inc Business Overview
 - 10.6.5 Inc Recent Developments
- 10.7 DLAB Scientific
 - 10.7.1 DLAB Scientific Basic Information
 - 10.7.2 DLAB Scientific Portable Thermal Cycler Product Overview

- 10.7.3 DLAB Scientific Portable Thermal Cycler Product Market Performance
- 10.7.4 DLAB Scientific Business Overview
- 10.7.5 DLAB Scientific Recent Developments
- 10.8 Bioer Technology
 - 10.8.1 Bioer Technology Basic Information
 - 10.8.2 Bioer Technology Portable Thermal Cycler Product Overview
 - 10.8.3 Bioer Technology Portable Thermal Cycler Product Market Performance
 - 10.8.4 Bioer Technology Business Overview
 - 10.8.5 Bioer Technology Recent Developments
- 10.9 Eppendorf
 - 10.9.1 Eppendorf Basic Information
 - 10.9.2 Eppendorf Portable Thermal Cycler Product Overview
 - 10.9.3 Eppendorf Portable Thermal Cycler Product Market Performance
 - 10.9.4 Eppendorf Business Overview
 - 10.9.5 Eppendorf Recent Developments
- 10.10 Tianlong
 - 10.10.1 Tianlong Basic Information
 - 10.10.2 Tianlong Portable Thermal Cycler Product Overview
 - 10.10.3 Tianlong Portable Thermal Cycler Product Market Performance
 - 10.10.4 Tianlong Business Overview
 - 10.10.5 Tianlong Recent Developments
- 10.11 Orient Gene Biotech Co
 - 10.11.1 Orient Gene Biotech Co Basic Information
 - 10.11.2 Orient Gene Biotech Co Portable Thermal Cycler Product Overview
 - 10.11.3 Orient Gene Biotech Co Portable Thermal Cycler Product Market Performance
 - 10.11.4 Orient Gene Biotech Co Business Overview
 - 10.11.5 Orient Gene Biotech Co Recent Developments
- 10.12 Dongshengchuangxin
 - 10.12.1 Dongshengchuangxin Basic Information
 - 10.12.2 Dongshengchuangxin Portable Thermal Cycler Product Overview
 - 10.12.3 Dongshengchuangxin Portable Thermal Cycler Product Market Performance
 - 10.12.4 Dongshengchuangxin Business Overview
 - 10.12.5 Dongshengchuangxin Recent Developments
- 10.13 Novogene
 - 10.13.1 Novogene Basic Information
 - 10.13.2 Novogene Portable Thermal Cycler Product Overview
 - 10.13.3 Novogene Portable Thermal Cycler Product Market Performance
 - 10.13.4 Novogene Business Overview
 - 10.13.5 Novogene Recent Developments

11 PORTABLE THERMAL CYCLER MARKET FORECAST BY REGION

11.1 Global Portable Thermal Cycler Market Size Forecast

11.2 Global Portable Thermal Cycler Market Forecast by Region

11.2.1 North America Market Size Forecast by Country

11.2.2 Europe Portable Thermal Cycler Market Size Forecast by Country

11.2.3 Asia Pacific Portable Thermal Cycler Market Size Forecast by Region

11.2.4 South America Portable Thermal Cycler Market Size Forecast by Country

11.2.5 Middle East and Africa Forecasted Sales of Portable Thermal Cycler by Country

12 FORECAST MARKET BY TYPE AND BY APPLICATION (2026-2033)

12.1 Global Portable Thermal Cycler Market Forecast by Type (2026-2033)

12.1.1 Global Forecasted Sales of Portable Thermal Cycler by Type (2026-2033)

12.1.2 Global Portable Thermal Cycler Market Size Forecast by Type (2026-2033)

12.1.3 Global Forecasted Price of Portable Thermal Cycler by Type (2026-2033)

12.2 Global Portable Thermal Cycler Market Forecast by Application (2026-2033)

12.2.1 Global Portable Thermal Cycler Sales (K Units) Forecast by Application

12.2.2 Global Portable Thermal Cycler Market Size (M USD) Forecast by Application (2026-2033)

13 CONCLUSION AND KEY FINDINGS

List Of Tables

LIST OF TABLES

- Table 1. Introduction of the Type
- Table 2. Introduction of the Application
- Table 3. Market Size (M USD) Segment Executive Summary
- Table 4. Portable Thermal Cyclers Market Size Comparison by Region (M USD)
- Table 5. Global Portable Thermal Cyclers Sales (K Units) by Manufacturers (2020-2025)
- Table 6. Global Portable Thermal Cyclers Sales Market Share by Manufacturers (2020-2025)
- Table 7. Global Portable Thermal Cyclers Revenue (M USD) by Manufacturers (2020-2025)
- Table 8. Global Portable Thermal Cyclers Revenue Share by Manufacturers (2020-2025)
- Table 9. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in Portable Thermal Cyclers as of 2024)
- Table 10. Global Market Portable Thermal Cyclers Average Price (USD/Unit) of Key Manufacturers (2020-2025)
- Table 11. Manufacturers? Manufacturing Sites, Areas Served
- Table 12. Manufacturers? Product Type
- Table 13. Global Portable Thermal Cyclers Manufacturers Market Concentration Ratio (CR5 and HHI)
- Table 14. Mergers & Acquisitions, Expansion Plans
- Table 15. Market Overview of Key Raw Materials
- Table 16. Midstream Market Analysis
- Table 17. Downstream Customer Analysis
- Table 18. Key Development Trends
- Table 19. Driving Factors
- Table 20. Portable Thermal Cyclers Market Challenges
- Table 21. Goldman Sachs' forecast real GDP growth rate for 2024-2026
- Table 22. S&P Global ' Forecast Real GDP Growth Rate For 2024-2027
- Table 23. World Bank ' Forecast Real GDP Growth Rate For 2024-2026
- Table 24. The Tariff Rates Imposed by the United States on Major Commodity Trading Countries
- Table 25. Global Portable Thermal Cyclers Sales by Type (K Units)
- Table 26. Global Portable Thermal Cyclers Market Size by Type (M USD)
- Table 27. Global Portable Thermal Cyclers Sales (K Units) by Type (2020-2025)
- Table 28. Global Portable Thermal Cyclers Sales Market Share by Type (2020-2025)
- Table 29. Global Portable Thermal Cyclers Market Size (M USD) by Type (2020-2025)

- Table 30. Global Portable Thermal Cyclers Market Size Share by Type (2020-2025)
- Table 31. Global Portable Thermal Cyclers Price (USD/Unit) by Type (2020-2025)
- Table 32. Global Portable Thermal Cyclers Sales (K Units) by Application
- Table 33. Global Portable Thermal Cyclers Market Size by Application
- Table 34. Global Portable Thermal Cyclers Sales by Application (2020-2025) & (K Units)
- Table 35. Global Portable Thermal Cyclers Sales Market Share by Application (2020-2025)
- Table 36. Global Portable Thermal Cyclers Market Size by Application (2020-2025) & (M USD)
- Table 37. Global Portable Thermal Cyclers Market Share by Application (2020-2025)
- Table 38. Global Portable Thermal Cyclers Sales Growth Rate by Application (2020-2025)
- Table 39. Global Portable Thermal Cyclers Sales by Region (2020-2025) & (K Units)
- Table 40. Global Portable Thermal Cyclers Sales Market Share by Region (2020-2025)
- Table 41. Global Portable Thermal Cyclers Market Size by Region (2020-2025) & (M USD)
- Table 42. Global Portable Thermal Cyclers Market Size Market Share by Region (2020-2025)
- Table 43. North America Portable Thermal Cyclers Sales by Country (2020-2025) & (K Units)
- Table 44. North America Portable Thermal Cyclers Market Size by Country (2020-2025) & (M USD)
- Table 45. Europe Portable Thermal Cyclers Sales by Country (2020-2025) & (K Units)
- Table 46. Europe Portable Thermal Cyclers Market Size by Country (2020-2025) & (M USD)
- Table 47. Asia Pacific Portable Thermal Cyclers Sales by Region (2020-2025) & (K Units)
- Table 48. Asia Pacific Portable Thermal Cyclers Market Size by Region (2020-2025) & (M USD)
- Table 49. South America Portable Thermal Cyclers Sales by Country (2020-2025) & (K Units)
- Table 50. South America Portable Thermal Cyclers Market Size by Country (2020-2025) & (M USD)
- Table 51. Middle East and Africa Portable Thermal Cyclers Sales by Region (2020-2025) & (K Units)
- Table 52. Middle East and Africa Portable Thermal Cyclers Market Size by Region (2020-2025) & (M USD)
- Table 53. Global Portable Thermal Cyclers Production (K Units) by Region(2020-2025)
- Table 54. Global Portable Thermal Cyclers Revenue (US\$ Million) by Region

(2020-2025)

Table 55. Global Portable Thermal Cycler Revenue Market Share by Region

(2020-2025)

Table 56. Global Portable Thermal Cycler Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 57. North America Portable Thermal Cycler Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 58. Europe Portable Thermal Cycler Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 59. Japan Portable Thermal Cycler Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 60. China Portable Thermal Cycler Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 61. Blue-Ray Biotech Basic Information

Table 62. Blue-Ray Biotech Portable Thermal Cycler Product Overview

Table 63. Blue-Ray Biotech Portable Thermal Cycler Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 64. Blue-Ray Biotech Business Overview

Table 65. Blue-Ray Biotech SWOT Analysis

Table 66. Blue-Ray Biotech Recent Developments

Table 67. Thermo Fisher Basic Information

Table 68. Thermo Fisher Portable Thermal Cycler Product Overview

Table 69. Thermo Fisher Portable Thermal Cycler Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 70. Thermo Fisher Business Overview

Table 71. Thermo Fisher SWOT Analysis

Table 72. Thermo Fisher Recent Developments

Table 73. miniPCR bio Basic Information

Table 74. miniPCR bio Portable Thermal Cycler Product Overview

Table 75. miniPCR bio Portable Thermal Cycler Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 76. miniPCR bio Business Overview

Table 77. miniPCR bio SWOT Analysis

Table 78. miniPCR bio Recent Developments

Table 79. Auxilab S.L. Basic Information

Table 80. Auxilab S.L. Portable Thermal Cycler Product Overview

Table 81. Auxilab S.L. Portable Thermal Cycler Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 82. Auxilab S.L. Business Overview

- Table 83. Auxilab S.L. Recent Developments
- Table 84. Ahram Biosystems Basic Information
- Table 85. Ahram Biosystems Portable Thermal Cyclers Product Overview
- Table 86. Ahram Biosystems Portable Thermal Cyclers Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 87. Ahram Biosystems Business Overview
- Table 88. Ahram Biosystems Recent Developments
- Table 89. Inc Basic Information
- Table 90. Inc Portable Thermal Cyclers Product Overview
- Table 91. Inc Portable Thermal Cyclers Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 92. Inc Business Overview
- Table 93. Inc Recent Developments
- Table 94. DLAB Scientific Basic Information
- Table 95. DLAB Scientific Portable Thermal Cyclers Product Overview
- Table 96. DLAB Scientific Portable Thermal Cyclers Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 97. DLAB Scientific Business Overview
- Table 98. DLAB Scientific Recent Developments
- Table 99. Bioer Technology Basic Information
- Table 100. Bioer Technology Portable Thermal Cyclers Product Overview
- Table 101. Bioer Technology Portable Thermal Cyclers Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 102. Bioer Technology Business Overview
- Table 103. Bioer Technology Recent Developments
- Table 104. Eppendorf Basic Information
- Table 105. Eppendorf Portable Thermal Cyclers Product Overview
- Table 106. Eppendorf Portable Thermal Cyclers Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 107. Eppendorf Business Overview
- Table 108. Eppendorf Recent Developments
- Table 109. Tianlong Basic Information
- Table 110. Tianlong Portable Thermal Cyclers Product Overview
- Table 111. Tianlong Portable Thermal Cyclers Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 112. Tianlong Business Overview
- Table 113. Tianlong Recent Developments
- Table 114. Orient Gene Biotech Co Basic Information
- Table 115. Orient Gene Biotech Co Portable Thermal Cyclers Product Overview

- Table 116. Orient Gene Biotech Co Portable Thermal Cyclers Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 117. Orient Gene Biotech Co Business Overview
- Table 118. Orient Gene Biotech Co Recent Developments
- Table 119. Dongshengchuangxin Basic Information
- Table 120. Dongshengchuangxin Portable Thermal Cyclers Product Overview
- Table 121. Dongshengchuangxin Portable Thermal Cyclers Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 122. Dongshengchuangxin Business Overview
- Table 123. Dongshengchuangxin Recent Developments
- Table 124. Novogene Basic Information
- Table 125. Novogene Portable Thermal Cyclers Product Overview
- Table 126. Novogene Portable Thermal Cyclers Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 127. Novogene Business Overview
- Table 128. Novogene Recent Developments
- Table 129. Global Portable Thermal Cyclers Sales Forecast by Region (2026-2033) & (K Units)
- Table 130. Global Portable Thermal Cyclers Market Size Forecast by Region (2026-2033) & (M USD)
- Table 131. North America Portable Thermal Cyclers Sales Forecast by Country (2026-2033) & (K Units)
- Table 132. North America Portable Thermal Cyclers Market Size Forecast by Country (2026-2033) & (M USD)
- Table 133. Europe Portable Thermal Cyclers Sales Forecast by Country (2026-2033) & (K Units)
- Table 134. Europe Portable Thermal Cyclers Market Size Forecast by Country (2026-2033) & (M USD)
- Table 135. Asia Pacific Portable Thermal Cyclers Sales Forecast by Region (2026-2033) & (K Units)
- Table 136. Asia Pacific Portable Thermal Cyclers Market Size Forecast by Region (2026-2033) & (M USD)
- Table 137. South America Portable Thermal Cyclers Sales Forecast by Country (2026-2033) & (K Units)
- Table 138. South America Portable Thermal Cyclers Market Size Forecast by Country (2026-2033) & (M USD)
- Table 139. Middle East and Africa Portable Thermal Cyclers Sales Forecast by Country (2026-2033) & (Units)
- Table 140. Middle East and Africa Portable Thermal Cyclers Market Size Forecast by

Country (2026-2033) & (M USD)

Table 141. Global Portable Thermal Cyclers Sales Forecast by Type (2026-2033) & (K Units)

Table 142. Global Portable Thermal Cyclers Market Size Forecast by Type (2026-2033) & (M USD)

Table 143. Global Portable Thermal Cyclers Price Forecast by Type (2026-2033) & (USD/Unit)

Table 144. Global Portable Thermal Cyclers Sales (K Units) Forecast by Application (2026-2033)

Table 145. Global Portable Thermal Cyclers Market Size Forecast by Application (2026-2033) & (M USD)

List Of Figures

LIST OF FIGURES

- Figure 1. Product Picture of Portable Thermal Cyclers
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global Portable Thermal Cyclers Market Size (M USD), 2024-2033
- Figure 5. Global Portable Thermal Cyclers Market Size (M USD) (2020-2033)
- Figure 6. Global Portable Thermal Cyclers Sales (K Units) & (2020-2033)
- Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 9. Evaluation Matrix of Regional Market Development Potential
- Figure 10. Portable Thermal Cyclers Market Size by Country (M USD)
- Figure 11. Company Assessment Quadrant
- Figure 12. Global Portable Thermal Cyclers Product Life Cycle
- Figure 13. Portable Thermal Cyclers Sales Share by Manufacturers in 2024
- Figure 14. Global Portable Thermal Cyclers Revenue Share by Manufacturers in 2024
- Figure 15. Portable Thermal Cyclers Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2024
- Figure 16. Global Market Portable Thermal Cyclers Average Price (USD/Unit) of Key Manufacturers in 2024
- Figure 17. The Global 5 and 10 Largest Players: Market Share by Portable Thermal Cyclers Revenue in 2024
- Figure 18. Industry Chain Map of Portable Thermal Cyclers
- Figure 19. Global Portable Thermal Cyclers Market PEST Analysis
- Figure 20. Global Portable Thermal Cyclers Market Porter's Five Forces Analysis
- Figure 21. Global Merchandise Trade as a Percentage Of GDP
- Figure 22. US - Imports of Goods by Country
- Figure 23. China Exports by Country
- Figure 24. ESG Rating Distribution of The Leading Company Compared With Its Peers
- Figure 25. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 26. Global Portable Thermal Cyclers Market Share by Type
- Figure 27. Sales Market Share of Portable Thermal Cyclers by Type (2020-2025)
- Figure 28. Sales Market Share of Portable Thermal Cyclers by Type in 2024
- Figure 29. Market Size Share of Portable Thermal Cyclers by Type (2020-2025)
- Figure 30. Market Size Share of Portable Thermal Cyclers by Type in 2024
- Figure 31. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 32. Global Portable Thermal Cyclers Market Share by Application

Figure 33. Global Portable Thermal Cyclers Sales Market Share by Application (2020-2025)

Figure 34. Global Portable Thermal Cyclers Sales Market Share by Application in 2024

Figure 35. Global Portable Thermal Cyclers Market Share by Application (2020-2025)

Figure 36. Global Portable Thermal Cyclers Market Share by Application in 2024

Figure 37. Global Portable Thermal Cyclers Sales Growth Rate by Application (2020-2025)

Figure 38. Global Portable Thermal Cyclers Sales Market Share by Region (2020-2025)

Figure 39. Global Portable Thermal Cyclers Market Size Market Share by Region (2020-2025)

Figure 40. North America Portable Thermal Cyclers Sales and Growth Rate (2020-2025) & (K Units)

Figure 41. North America Portable Thermal Cyclers Sales and Growth Rate (2020-2025) & (K Units)

Figure 42. North America Portable Thermal Cyclers Sales Market Share by Country in 2024

Figure 43. North America Portable Thermal Cyclers Market Size and Growth Rate (2020-2025) & (M USD)

Figure 44. North America Portable Thermal Cyclers Market Size Market Share by Country in 2024

Figure 45. U.S. Portable Thermal Cyclers Sales and Growth Rate (2020-2025) & (K Units)

Figure 46. U.S. Portable Thermal Cyclers Market Size and Growth Rate (2020-2025) & (M USD)

Figure 47. Canada Portable Thermal Cyclers Sales (K Units) and Growth Rate (2020-2025)

Figure 48. Canada Portable Thermal Cyclers Market Size (M USD) and Growth Rate (2020-2025)

Figure 49. Mexico Portable Thermal Cyclers Sales (Units) and Growth Rate (2020-2025)

Figure 50. Mexico Portable Thermal Cyclers Market Size (Units) and Growth Rate (2020-2025)

Figure 51. Europe Portable Thermal Cyclers Sales and Growth Rate (2020-2025) & (K Units)

Figure 52. Europe Portable Thermal Cyclers Sales Market Share by Country in 2024

Figure 53. Europe Portable Thermal Cyclers Market Size and Growth Rate (2020-2025) & (M USD)

Figure 54. Europe Portable Thermal Cyclers Market Size Market Share by Country in 2024

Figure 55. Germany Portable Thermal Cyclers Sales and Growth Rate (2020-2025) & (K

Units)

Figure 56. Germany Portable Thermal Cycler Market Size and Growth Rate (2020-2025) & (M USD)

Figure 57. France Portable Thermal Cycler Sales and Growth Rate (2020-2025) & (K Units)

Figure 58. France Portable Thermal Cycler Market Size and Growth Rate (2020-2025) & (M USD)

Figure 59. U.K. Portable Thermal Cycler Sales and Growth Rate (2020-2025) & (K Units)

Figure 60. U.K. Portable Thermal Cycler Market Size and Growth Rate (2020-2025) & (M USD)

Figure 61. Italy Portable Thermal Cycler Sales and Growth Rate (2020-2025) & (K Units)

Figure 62. Italy Portable Thermal Cycler Market Size and Growth Rate (2020-2025) & (M USD)

Figure 63. Spain Portable Thermal Cycler Sales and Growth Rate (2020-2025) & (K Units)

Figure 64. Spain Portable Thermal Cycler Market Size and Growth Rate (2020-2025) & (M USD)

Figure 65. Asia Pacific Portable Thermal Cycler Sales and Growth Rate (K Units)

Figure 66. Asia Pacific Portable Thermal Cycler Sales Market Share by Region in 2024

Figure 67. Asia Pacific Portable Thermal Cycler Market Size Market Share by Region in 2024

Figure 68. China Portable Thermal Cycler Sales and Growth Rate (2020-2025) & (K Units)

Figure 69. China Portable Thermal Cycler Market Size and Growth Rate (2020-2025) & (M USD)

Figure 70. Japan Portable Thermal Cycler Sales and Growth Rate (2020-2025) & (K Units)

Figure 71. Japan Portable Thermal Cycler Market Size and Growth Rate (2020-2025) & (M USD)

Figure 72. South Korea Portable Thermal Cycler Sales and Growth Rate (2020-2025) & (K Units)

Figure 73. South Korea Portable Thermal Cycler Market Size and Growth Rate (2020-2025) & (M USD)

Figure 74. India Portable Thermal Cycler Sales and Growth Rate (2020-2025) & (K Units)

Figure 75. India Portable Thermal Cycler Market Size and Growth Rate (2020-2025) & (M USD)

Figure 76. Southeast Asia Portable Thermal Cyclers Sales and Growth Rate (2020-2025) & (K Units)

Figure 77. Southeast Asia Portable Thermal Cyclers Market Size and Growth Rate (2020-2025) & (M USD)

Figure 78. South America Portable Thermal Cyclers Sales and Growth Rate (K Units)

Figure 79. South America Portable Thermal Cyclers Sales Market Share by Country in 2024

Figure 80. South America Portable Thermal Cyclers Market Size and Growth Rate (M USD)

Figure 81. South America Portable Thermal Cyclers Market Size Market Share by Country in 2024

Figure 82. Brazil Portable Thermal Cyclers Sales and Growth Rate (2020-2025) & (K Units)

Figure 83. Brazil Portable Thermal Cyclers Market Size and Growth Rate (2020-2025) & (M USD)

Figure 84. Argentina Portable Thermal Cyclers Sales and Growth Rate (2020-2025) & (K Units)

Figure 85. Argentina Portable Thermal Cyclers Market Size and Growth Rate (2020-2025) & (M USD)

Figure 86. Colombia Portable Thermal Cyclers Sales and Growth Rate (2020-2025) & (K Units)

Figure 87. Colombia Portable Thermal Cyclers Market Size and Growth Rate (2020-2025) & (M USD)

Figure 88. Middle East and Africa Portable Thermal Cyclers Sales and Growth Rate (K Units)

Figure 89. Middle East and Africa Portable Thermal Cyclers Sales Market Share by Region in 2024

Figure 90. Middle East and Africa Portable Thermal Cyclers Market Size and Growth Rate (M USD)

Figure 91. Middle East and Africa Portable Thermal Cyclers Market Size Market Share by Region in 2024

Figure 92. Saudi Arabia Portable Thermal Cyclers Sales and Growth Rate (2020-2025) & (K Units)

Figure 93. Saudi Arabia Portable Thermal Cyclers Market Size and Growth Rate (2020-2025) & (M USD)

Figure 94. UAE Portable Thermal Cyclers Sales and Growth Rate (2020-2025) & (K Units)

Figure 95. UAE Portable Thermal Cyclers Market Size and Growth Rate (2020-2025) & (M USD)

Figure 96. Egypt Portable Thermal Cyclers Sales and Growth Rate (2020-2025) & (K Units)

Figure 97. Egypt Portable Thermal Cyclers Market Size and Growth Rate (2020-2025) & (M USD)

Figure 98. Nigeria Portable Thermal Cyclers Sales and Growth Rate (2020-2025) & (K Units)

Figure 99. Nigeria Portable Thermal Cyclers Market Size and Growth Rate (2020-2025) & (M USD)

Figure 100. South Africa Portable Thermal Cyclers Sales and Growth Rate (2020-2025) & (K Units)

Figure 101. South Africa Portable Thermal Cyclers Market Size and Growth Rate (2020-2025) & (M USD)

Figure 102. Global Portable Thermal Cyclers Production Market Share by Region (2020-2025)

Figure 103. North America Portable Thermal Cyclers Production (K Units) Growth Rate (2020-2025)

Figure 104. Europe Portable Thermal Cyclers Production (K Units) Growth Rate (2020-2025)

Figure 105. Japan Portable Thermal Cyclers Production (K Units) Growth Rate (2020-2025)

Figure 106. China Portable Thermal Cyclers Production (K Units) Growth Rate (2020-2025)

Figure 107. Global Portable Thermal Cyclers Sales Forecast by Volume (2020-2033) & (K Units)

Figure 108. Global Portable Thermal Cyclers Market Size Forecast by Value (2020-2033) & (M USD)

Figure 109. Global Portable Thermal Cyclers Sales Market Share Forecast by Type (2026-2033)

Figure 110. Global Portable Thermal Cyclers Market Share Forecast by Type (2026-2033)

Figure 111. Global Portable Thermal Cyclers Sales Forecast by Application (2026-2033)

Figure 112. Global Portable Thermal Cyclers Market Share Forecast by Application (2026-2033)

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