

Polymerase Chain Reaction Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

<https://marketpublishers.com/r/P767AD19EBE8EN.html>

Date: October 2023

Pages: 140

Price: US\$ 2,499.00 (Single User License)

ID: P767AD19EBE8EN

Abstracts

Market Overview 2023-2028:

The global polymerase chain reaction market size reached US\$ 7.1 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 10.9 Billion by 2028, exhibiting a growth rate (CAGR) of 7.3% during 2023-2028.

Polymerase chain reaction (PCR) refers to a molecular diagnostic technique that is used to make multiple copies of a segment of DNA. A PCR machine is used to manipulate the temperature of the sample in an automatic and pre-programmed procedure to generate millions of copies of DNA sequencing accurately. This technology identifies and cultures disease-causing microorganisms, which aid in the detection of tuberculosis, Acquired Immunodeficiency Syndrome (AIDS), infections and Lyme disease. Owing to this, it finds extensive applications across various life science-related fields, such as genetics, biotechnology, molecular biology, drug discovery and clinical diagnostics.

Global Polymerase Chain Reaction Market Trends and Drivers:

The increasing prevalence of various infectious diseases and genetic disorders is one of the key factors driving the growth of the market. The rising geriatric population across the globe, which is more prone to chronic medical ailments, is also driving the industry growth. The outbreak of the coronavirus disease (COVID-19) pandemic has further led to the widespread adoption of PCR technologies for accurate diagnosis and early detection of infections. PCR devices also aid in minimizing the risks of contamination and the chances of human errors in the entire process.

The increasing demand for personalized and precision medicines is also creating a positive outlook for the market. These medicines aim to provide tailor-made therapies, which are identified and developed using PCR technologies. Other factors, including the increasing application in clinical diagnostics, along with extensive research and development (R&D) activities in the field of biotechnology, are expected to drive the market further.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global polymerase chain reaction market report, along with forecasts at the global, regional and country levels from 2023-2028. Our report has categorized the market based on product and end user.

Breakup by Product:

Instruments

Standard PCR Systems

Digital PCR Systems

Real-time PCR Systems

Reagents and Consumables

Software and Services

Breakup by End User:

Academic and Research Institutes

Clinical Diagnostics Labs and Hospitals

Pharmaceutical and Biotechnology Companies

Others

Breakup by Region:**North America****United States****Canada****Asia Pacific****China****Japan****India****South Korea****Australia****Indonesia****Others****Europe****Germany****France****United Kingdom****Italy****Spain****Russia****Others**

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The report has also analysed the competitive landscape of the market with some of the key players being Agilent Technologies Inc., BD (Becton, Dickinson and Company), BioMérieux (Institut Mérieux SA), Bio-RAD Laboratories Inc., F. Hoffmann-La Roche AG, Fluidigm Corporation, Merck KGaA, Perkinelmer Inc., Promega Corporation, Takara Bio Inc. and Thermo Fisher Scientific Inc.

Key Questions Answered in This Report:

How has the global polymerase chain reaction market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global polymerase chain reaction market?

What are the key regional markets?

What is the breakup of the market based on the product?

What is the breakup of the market based on the end user?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global polymerase chain reaction market and who are the key players?

What is the degree of competition in the industry?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL POLYMERASE CHAIN REACTION MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY PRODUCT

- 6.1 Instruments
 - 6.1.1 Market Trends
 - 6.1.2 Market Breakup by Type
 - 6.1.2.1 Standard PCR Systems
 - 6.1.2.1.1 Market Trends
 - 6.1.2.1.2 Market Forecast
 - 6.1.2.2 Digital PCR Systems

- 6.1.2.2.1 Market Trends
- 6.1.2.2.2 Market Forecast
- 6.1.2.3 Real-Time PCR Systems
 - 6.1.2.3.1 Market Trends
 - 6.1.2.3.2 Market Forecast
- 6.1.3 Market Forecast
- 6.2 Reagents and Consumables
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
- 6.3 Software and Services
 - 6.3.1 Market Trends
 - 6.3.2 Market Forecast

7 MARKET BREAKUP BY END USER

- 7.1 Academic and Research Institutes
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
- 7.2 Clinical Diagnostics Labs and Hospitals
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
- 7.3 Pharmaceutical and Biotechnology Companies
 - 7.3.1 Market Trends
 - 7.3.2 Market Forecast
- 7.4 Others
 - 7.4.1 Market Trends
 - 7.4.2 Market Forecast

8 MARKET BREAKUP BY REGION

- 8.1 North America
 - 8.1.1 United States
 - 8.1.1.1 Market Trends
 - 8.1.1.2 Market Forecast
 - 8.1.2 Canada
 - 8.1.2.1 Market Trends
 - 8.1.2.2 Market Forecast
- 8.2 Asia Pacific
 - 8.2.1 China

- 8.2.1.1 Market Trends
- 8.2.1.2 Market Forecast
- 8.2.2 Japan
 - 8.2.2.1 Market Trends
 - 8.2.2.2 Market Forecast
- 8.2.3 India
 - 8.2.3.1 Market Trends
 - 8.2.3.2 Market Forecast
- 8.2.4 South Korea
 - 8.2.4.1 Market Trends
 - 8.2.4.2 Market Forecast
- 8.2.5 Australia
 - 8.2.5.1 Market Trends
 - 8.2.5.2 Market Forecast
- 8.2.6 Indonesia
 - 8.2.6.1 Market Trends
 - 8.2.6.2 Market Forecast
- 8.2.7 Others
 - 8.2.7.1 Market Trends
 - 8.2.7.2 Market Forecast
- 8.3 Europe
 - 8.3.1 Germany
 - 8.3.1.1 Market Trends
 - 8.3.1.2 Market Forecast
 - 8.3.2 France
 - 8.3.2.1 Market Trends
 - 8.3.2.2 Market Forecast
 - 8.3.3 United Kingdom
 - 8.3.3.1 Market Trends
 - 8.3.3.2 Market Forecast
 - 8.3.4 Italy
 - 8.3.4.1 Market Trends
 - 8.3.4.2 Market Forecast
 - 8.3.5 Spain
 - 8.3.5.1 Market Trends
 - 8.3.5.2 Market Forecast
 - 8.3.6 Russia
 - 8.3.6.1 Market Trends
 - 8.3.6.2 Market Forecast

8.3.7 Others

8.3.7.1 Market Trends

8.3.7.2 Market Forecast

8.4 Latin America

8.4.1 Brazil

8.4.1.1 Market Trends

8.4.1.2 Market Forecast

8.4.2 Mexico

8.4.2.1 Market Trends

8.4.2.2 Market Forecast

8.4.3 Others

8.4.3.1 Market Trends

8.4.3.2 Market Forecast

8.5 Middle East and Africa

8.5.1 Market Trends

8.5.2 Market Breakup by Country

8.5.3 Market Forecast

9 SWOT ANALYSIS

9.1 Overview

9.2 Strengths

9.3 Weaknesses

9.4 Opportunities

9.5 Threats

10 VALUE CHAIN ANALYSIS

11 PORTERS FIVE FORCES ANALYSIS

11.1 Overview

11.2 Bargaining Power of Buyers

11.3 Bargaining Power of Suppliers

11.4 Degree of Competition

11.5 Threat of New Entrants

11.6 Threat of Substitutes

12 PRICE ANALYSIS

13 COMPETITIVE LANDSCAPE

13.1 Market Structure

13.2 Key Players

13.3 Profiles of Key Players

13.3.1 Agilent Technologies Inc.

13.3.1.1 Company Overview

13.3.1.2 Product Portfolio

13.3.1.3 Financials

13.3.1.4 SWOT Analysis

13.3.2 BD (Becton, Dickinson and Company)

13.3.2.1 Company Overview

13.3.2.2 Product Portfolio

13.3.2.3 Financials

13.3.2.4 SWOT Analysis

13.3.3 BioMérieux (Institut Mérieux SA)

13.3.3.1 Company Overview

13.3.3.2 Product Portfolio

13.3.3.3 Financials

13.3.3.4 SWOT Analysis

13.3.4 Bio-RAD Laboratories Inc.

13.3.4.1 Company Overview

13.3.4.2 Product Portfolio

13.3.4.3 Financials

13.3.4.4 SWOT Analysis

13.3.5 F. Hoffmann-La Roche AG

13.3.5.1 Company Overview

13.3.5.2 Product Portfolio

13.3.5.3 Financials

13.3.6 Fluidigm Corporation

13.3.6.1 Company Overview

13.3.6.2 Product Portfolio

13.3.6.3 Financials

13.3.7 Merck KGaA

13.3.7.1 Company Overview

13.3.7.2 Product Portfolio

13.3.7.3 Financials

13.3.7.4 SWOT Analysis

13.3.8 Perkinelmer Inc.

- 13.3.8.1 Company Overview
- 13.3.8.2 Product Portfolio
- 13.3.8.3 Financials
- 13.3.8.4 SWOT Analysis
- 13.3.9 Promega Corporation
 - 13.3.9.1 Company Overview
 - 13.3.9.2 Product Portfolio
- 13.3.10 Takara Bio Inc.
 - 13.3.10.1 Company Overview
 - 13.3.10.2 Product Portfolio
 - 13.3.10.3 Financials
- 13.3.11 Thermo Fisher Scientific Inc.
 - 13.3.11.1 Company Overview
 - 13.3.11.2 Product Portfolio
 - 13.3.11.3 Financials
 - 13.3.11.4 SWOT Analysis

List Of Tables

LIST OF TABLES

Table 1: Global: Polymerase Chain Reaction Market: Key Industry Highlights, 2022 and 2028

Table 2: Global: Polymerase Chain Reaction Market Forecast: Breakup by Product (in Million US\$), 2023-2028

Table 3: Global: Polymerase Chain Reaction Market Forecast: Breakup by End User (in Million US\$), 2023-2028

Table 4: Global: Polymerase Chain Reaction Market Forecast: Breakup by Region (in Million US\$), 2023-2028

Table 5: Global: Polymerase Chain Reaction Market Structure

Table 6: Global: Polymerase Chain Reaction Market: Key Players

List Of Figures

LIST OF FIGURES

Figure 1: Global: Polymerase Chain Reaction Market: Major Drivers and Challenges

Figure 2: Global: Polymerase Chain Reaction Market: Sales Value (in Billion US\$), 2017-2022

Figure 3: Global: Polymerase Chain Reaction Market: Breakup by Product (in %), 2022

Figure 4: Global: Polymerase Chain Reaction Market: Breakup by End User (in %), 2022

Figure 5: Global: Polymerase Chain Reaction Market: Breakup by Region (in %), 2022

Figure 6: Global: Polymerase Chain Reaction Market Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 7: Global: Polymerase Chain Reaction (Instruments) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 8: Global: Polymerase Chain Reaction (Instruments) Market: Breakup by Type (in %), 2022

Figure 9: Global: Polymerase Chain Reaction (Instruments- Standard PCR Systems) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 10: Global: Polymerase Chain Reaction (Instruments- Standard PCR Systems) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 11: Global: Polymerase Chain Reaction (Instruments- Digital PCR Systems) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 12: Global: Polymerase Chain Reaction (Instruments- Digital PCR Systems) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 13: Global: Polymerase Chain Reaction (Instruments- Real-Time PCR Systems) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 14: Global: Polymerase Chain Reaction (Instruments- Real-Time PCR Systems) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 15: Global: Polymerase Chain Reaction (Instruments) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 16: Global: Polymerase Chain Reaction (Reagents and Consumables) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 17: Global: Polymerase Chain Reaction (Reagents and Consumables) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 18: Global: Polymerase Chain Reaction (Software and Services) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 19: Global: Polymerase Chain Reaction (Software and Services) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 20: Global: Polymerase Chain Reaction (Academic and Research Institutes) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 21: Global: Polymerase Chain Reaction (Academic and Research Institutes) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 22: Global: Polymerase Chain Reaction (Clinical Diagnostics Labs and Hospitals) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 23: Global: Polymerase Chain Reaction (Clinical Diagnostics Labs and Hospitals) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 24: Global: Polymerase Chain Reaction (Pharmaceutical and Biotechnology Companies) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 25: Global: Polymerase Chain Reaction (Pharmaceutical and Biotechnology Companies) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 26: Global: Polymerase Chain Reaction (Other End Users) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 27: Global: Polymerase Chain Reaction (Other End Users) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 28: North America: Polymerase Chain Reaction Market: Sales Value (in Million US\$), 2017 & 2022

Figure 29: North America: Polymerase Chain Reaction Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 30: United States: Polymerase Chain Reaction Market: Sales Value (in Million US\$), 2017 & 2022

Figure 31: United States: Polymerase Chain Reaction Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 32: Canada: Polymerase Chain Reaction Market: Sales Value (in Million US\$), 2017 & 2022

Figure 33: Canada: Polymerase Chain Reaction Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 34: Asia Pacific: Polymerase Chain Reaction Market: Sales Value (in Million US\$), 2017 & 2022

Figure 35: Asia Pacific: Polymerase Chain Reaction Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 36: China: Polymerase Chain Reaction Market: Sales Value (in Million US\$), 2017 & 2022

Figure 37: China: Polymerase Chain Reaction Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 38: Japan: Polymerase Chain Reaction Market: Sales Value (in Million US\$), 2017 & 2022

Figure 39: Japan: Polymerase Chain Reaction Market Forecast: Sales Value (in Million US\$), 2023-2028

US\$), 2023-2028

Figure 40: India: Polymerase Chain Reaction Market: Sales Value (in Million US\$), 2017 & 2022

Figure 41: India: Polymerase Chain Reaction Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 42: South Korea: Polymerase Chain Reaction Market: Sales Value (in Million US\$), 2017 & 2022

Figure 43: South Korea: Polymerase Chain Reaction Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 44: Australia: Polymerase Chain Reaction Market: Sales Value (in Million US\$), 2017 & 2022

Figure 45: Australia: Polymerase Chain Reaction Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 46: Indonesia: Polymerase Chain Reaction Market: Sales Value (in Million US\$), 2017 & 2022

Figure 47: Indonesia: Polymerase Chain Reaction Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 48: Others: Polymerase Chain Reaction Market: Sales Value (in Million US\$), 2017 & 2022

Figure 49: Others: Polymerase Chain Reaction Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 50: Europe: Polymerase Chain Reaction Market: Sales Value (in Million US\$), 2017 & 2022

Figure 51: Europe: Polymerase Chain Reaction Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 52: Germany: Polymerase Chain Reaction Market: Sales Value (in Million US\$), 2017 & 2022

Figure 53: Germany: Polymerase Chain Reaction Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 54: France: Polymerase Chain Reaction Market: Sales Value (in Million US\$), 2017 & 2022

Figure 55: France: Polymerase Chain Reaction Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 56: United Kingdom: Polymerase Chain Reaction Market: Sales Value (in Million US\$), 2017 & 2022

Figure 57: United Kingdom: Polymerase Chain Reaction Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 58: Italy: Polymerase Chain Reaction Market: Sales Value (in Million US\$), 2017 & 2022

Figure 59: Italy: Polymerase Chain Reaction Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 60: Spain: Polymerase Chain Reaction Market: Sales Value (in Million US\$), 2017 & 2022

Figure 61: Spain: Polymerase Chain Reaction Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 62: Russia: Polymerase Chain Reaction Market: Sales Value (in Million US\$), 2017 & 2022

Figure 63: Russia: Polymerase Chain Reaction Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 64: Others: Polymerase Chain Reaction Market: Sales Value (in Million US\$), 2017 & 2022

Figure 65: Others: Polymerase Chain Reaction Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 66: Latin America: Polymerase Chain Reaction Market: Sales Value (in Million US\$), 2017 & 2022

Figure 67: Latin America: Polymerase Chain Reaction Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 68: Brazil: Polymerase Chain Reaction Market: Sales Value (in Million US\$), 2017 & 2022

Figure 69: Brazil: Polymerase Chain Reaction Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 70: Mexico: Polymerase Chain Reaction Market: Sales Value (in Million US\$), 2017 & 2022

Figure 71: Mexico: Polymerase Chain Reaction Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 72: Others: Polymerase Chain Reaction Market: Sales Value (in Million US\$), 2017 & 2022

Figure 73: Others: Polymerase Chain Reaction Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 74: Middle East and Africa: Polymerase Chain Reaction Market: Sales Value (in Million US\$), 2017 & 2022

Figure 75: Middle East and Africa: Polymerase Chain Reaction Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 76: Global: Polymerase Chain Reaction Industry: SWOT Analysis

Figure 77: Global: Polymerase Chain Reaction Industry: Value Chain Analysis

Figure 78: Global: Polymerase Chain Reaction Industry: Porter's Five Forces Analysis

I would like to order

Product name: Polymerase Chain Reaction Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

Product link: <https://marketpublishers.com/r/P767AD19EBE8EN.html>

Price: US\$ 2,499.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/P767AD19EBE8EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

