

Asia Pacific Carrier Testing Services Market Size and Forecast (2021 - 2031)

<https://marketpublishers.com/r/A628A1163C18EN.html>

Date: April 2026

Pages: 186

Price: US\$ 3,450.00 (Single User License)

ID: A628A1163C18EN

Abstracts

The Asia Pacific Carrier Testing Services Market is projected to grow significantly, reaching an estimated US\$ 460.6 million by 2031, up from US\$ 154.0 million in 2024. This growth reflects a robust compound annual growth rate (CAGR) of 17.3% from 2025 to 2031.

Executive Summary and Market Analysis

The carrier testing services market in the Asia Pacific region is divided into several key countries, including China, Japan, India, South Korea, Australia, and other Pacific nations. Notably, countries like China, India, and Japan are making substantial investments in reproductive health and genomics research, fostering a favorable environment for companies specializing in carrier screening. The diverse and large populations in these countries exhibit a strong preference for multi-gene carrier panels, which cater to varying genetic risks across different demographics.

As laboratory capabilities improve and sequencing costs decline, both public health initiatives and private fertility clinics are increasingly integrating carrier screening into prenatal care. Local laboratories are enhancing their service offerings by adopting advanced techniques such as Next-Generation Sequencing (NGS) and are open to collaborating with global genomics firms to develop region-specific panels that address local genetic variants.

The Asia Pacific market is particularly attractive due to its large population, rising middle-class incomes, and growing acceptance of genetic medicine. However, companies looking to enter this market must navigate challenges such as regulatory differences, infrastructure disparities between urban and rural areas, and varying reimbursement

policies. By focusing on education, forming partnerships, and providing localized solutions, businesses can effectively expand their reach in the carrier testing services sector.

Strategic Insights

Market Segmentation Analysis

The Asia Pacific Carrier Testing Services Market is categorized based on several criteria:

By Type: The market is divided into Expanded Carrier Screening and Targeted Disease Carrier Screening, with the Expanded Carrier Screening segment leading the market in 2024.

By Medical Conditions: The market is segmented into Pulmonary Conditions, Hematological Conditions, Neurological Conditions, and Other Medical Conditions, where Pulmonary Conditions held the largest share in 2024.

By End User: The market is classified into Hospital-Based Laboratories, Diagnostic Laboratories, and Other End Users, with Hospital-Based Laboratories dominating in 2024.

Market Outlook

Carrier testing is becoming an integral part of precision medicine, allowing for proactive reproductive health management by assessing the risk of passing on inherited disorders. The completion of the Human Genome Project and the decreasing costs of sequencing have made carrier testing services both technically feasible and commercially viable. The establishment of national genomic policies is also contributing to the integration of carrier testing into standard healthcare practices.

Medical diagnostics companies are expanding their carrier screening offerings. For instance, Illumina has launched its DRAGEN v4.3 software, which utilizes artificial intelligence to enhance variant calling and support expanded carrier panels. As genomic research advances, carrier testing is proving valuable for reproductive planning, population health initiatives, and preventive healthcare. While traditionally associated with identifying carriers of genetic disorders like cystic fibrosis and spinal muscular

atrophy, this technology also aids couples in family planning by providing data-driven insights that facilitate informed decision-making. Early interventions enabled by carrier testing can significantly reduce long-term healthcare costs.

Country Insights

The Asia Pacific Carrier Testing Services Market is further segmented by country, including China, Japan, India, Australia, South Korea, and the Rest of APAC. Japan held the largest market share in 2024. In Japan, clinical and private hospitals are increasingly offering Expanded Carrier Panels (ECP) using NGS for autosomal recessive and X-linked conditions, indicating a growing acceptance of these methods among healthcare providers. However, Japan's aging population and lower birth rates result in fewer couples seeking preconception and prenatal screenings compared to younger Southeast Asian nations. Nonetheless, there is a rising trend in preventive reproductive health, particularly in fertility clinics catering to couples considering IVF or donor-assisted reproduction.

Japan boasts advanced sequencing and diagnostic infrastructure, supported by leading academic genomics centers. Although comprehensive national carrier screening programs are lacking, private companies are stepping in to provide screening services alongside genetic counseling and NGS diagnostics. Japan represents a premium niche market where companies can focus on developing high-quality, clinically validated assays and foster collaborations with fertility and diagnostic centers. Future growth in this market will depend on regulatory compliance, collaboration, and educating younger reproductive-aged couples about the benefits of carrier screening.

Company Profiles

Key players in the Asia Pacific Carrier Testing Services Market include F. Hoffmann-La Roche Ltd, Quest Diagnostics Inc, Eurofins Scientific SE, Myriad Genetics Inc, Laboratory Corp of America Holdings, MedGenome Inc, Gene By Gene Ltd, Thermo Fisher Scientific Inc., Fulgent Genetics, Inc, and Illumina, Inc. These companies are employing various strategies such as market expansion, product innovation, and mergers and acquisitions to enhance their offerings and increase their market share.

Contents

1. INTRODUCTION

- 1.1 Report Guidance
- 1.2 Market Segmentation

2. EXECUTIVE SUMMARY

- 2.1 Key Insights
- 2.2 Market Attractiveness

3. RESEARCH METHODOLOGY

- 3.1 Secondary Research
- 3.2 Primary Research
 - 3.2.1 Hypothesis formulation:
 - 3.2.2 Macroeconomic factor analysis:
 - 3.2.3 Developing base number:
 - 3.2.4 Data Triangulation:
 - 3.2.5 Country-level data:

4. CARRIER TESTING SERVICES MARKET LANDSCAPE

- 4.1 Market Overview
- 4.2 PEST Analysis
- 4.3 Ecosystem Analysis
 - 4.3.1 List of Vendors in the Value Chain

5. ASIA PACIFIC CARRIER TESTING SERVICES MARKET - KEY MARKET DYNAMICS

- 5.1 Market Drivers
- 5.2 Market Restraints
- 5.3 Market Opportunities
- 5.4 Future Trends
- 5.5 Impact of Drivers and Restraints:

6. CARRIER TESTING SERVICES MARKET - ASIA PACIFIC MARKET ANALYSIS

6.1 Asia Pacific Carrier Testing Services Market Revenue (US\$ Million), 2024 - 2031

6.2 Asia Pacific Carrier Testing Services Market Forecast and Analysis

7. ASIA PACIFIC CARRIER TESTING SERVICES MARKET REVENUE ANALYSIS - BY TYPE

7.1 Expanded Carrier Screening

7.1.1 Overview

7.1.2 Expanded Carrier Screening: Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

7.2 Targeted Disease Carrier Screening

7.2.1 Overview

7.2.2 Targeted Disease Carrier Screening: Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

8. ASIA PACIFIC CARRIER TESTING SERVICES MARKET REVENUE ANALYSIS - BY MEDICAL CONDITIONS

8.1 Pulmonary Conditions

8.1.1 Overview

8.1.2 Pulmonary Conditions: Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

8.2 Hematological Conditions

8.2.1 Overview

8.2.2 Hematological Conditions: Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

8.3 Neurological Conditions

8.3.1 Overview

8.3.2 Neurological Conditions: Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

8.4 Other Medical Conditions

8.4.1 Overview

8.4.2 Other Medical Conditions: Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

9. ASIA PACIFIC CARRIER TESTING SERVICES MARKET REVENUE ANALYSIS - BY END USER

9.1 Hospital-Based Laboratories

9.1.1 Overview

9.1.2 Hospital-Based Laboratories: Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

9.2 Diagnostic Laboratories

9.2.1 Overview

9.2.2 Diagnostic Laboratories: Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

9.3 Other End Users

9.3.1 Overview

9.3.2 Other End Users: Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

10. ASIA PACIFIC CARRIER TESTING SERVICES MARKET - COUNTRY ANALYSIS

10.1 Asia Pacific

10.1.1 Asia Pacific Carrier Testing Services Market Revenue and Forecast and Analysis - by Country

10.1.1.1 Asia Pacific Carrier Testing Services Market Revenue and Forecast and Analysis - by Country

10.1.2.2 China: Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

10.1.2.2.1 China: Asia Pacific Carrier Testing Services Market Share - by Type

10.1.2.2.2 China: Asia Pacific Carrier Testing Services Market Share - by Medical Conditions

10.1.2.2.3 China: Asia Pacific Carrier Testing Services Market Share - by End User

10.2.3.3 Japan: Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

10.2.3.3.1 Japan: Asia Pacific Carrier Testing Services Market Share - by Type

10.2.3.3.2 Japan: Asia Pacific Carrier Testing Services Market Share - by Medical Conditions

10.2.3.3.3 Japan: Asia Pacific Carrier Testing Services Market Share - by End User

10.3.4.4 India: Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

10.3.4.4.1 India: Asia Pacific Carrier Testing Services Market Share - by Type

10.3.4.4.2 India: Asia Pacific Carrier Testing Services Market Share - by Medical Conditions

10.3.4.4.3 India: Asia Pacific Carrier Testing Services Market Share - by End User

10.4.5.5 Australia: Asia Pacific Carrier Testing Services Market - Revenue and

Forecast, 2021 - 2031 (US\$ Million)

10.4.5.5.1 Australia: Asia Pacific Carrier Testing Services Market Share - by Type

10.4.5.5.2 Australia: Asia Pacific Carrier Testing Services Market Share - by Medical Conditions

10.4.5.5.3 Australia: Asia Pacific Carrier Testing Services Market Share - by End User

10.5.6.6 South Korea: Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

10.5.6.6.1 South Korea: Asia Pacific Carrier Testing Services Market Share - by Type

10.5.6.6.2 South Korea: Asia Pacific Carrier Testing Services Market Share - by Medical Conditions

10.5.6.6.3 South Korea: Asia Pacific Carrier Testing Services Market Share - by End User

10.6.7.7 Rest of APAC: Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

10.6.7.7.1 Rest of APAC: Asia Pacific Carrier Testing Services Market Share - by Type

10.6.7.7.2 Rest of APAC: Asia Pacific Carrier Testing Services Market Share - by Medical Conditions

10.6.7.7.3 Rest of APAC: Asia Pacific Carrier Testing Services Market Share - by End User

11 COMPETITIVE LANDSCAPE

11.1 Heat Map Analysis by Key Players

11.2 Company Positioning & Concentration

12 INDUSTRY LANDSCAPE

12.1 Overview

12.2 New Product Development

12.3 Merger and Acquisition

12.4 Other Strategic Developments

13 COMPANY PROFILES

13.1 F. Hoffmann-La Roche Ltd

13.1.1 Key Facts

- 13.1.2 Business Description
- 13.1.3 Products and Services
- 13.1.4 Financial Overview
- 13.1.5 SWOT Analysis
- 13.1.6 Key Developments
- 13.2 Quest Diagnostics Inc
 - 13.2.1 Key Facts
 - 13.2.2 Business Description
 - 13.2.3 Products and Services
 - 13.2.4 Financial Overview
 - 13.2.5 SWOT Analysis
 - 13.2.6 Key Developments
- 13.3 Eurofins Scientific SE
 - 13.3.1 Key Facts
 - 13.3.2 Business Description
 - 13.3.3 Products and Services
 - 13.3.4 Financial Overview
 - 13.3.5 SWOT Analysis
 - 13.3.6 Key Developments
- 13.4 Myriad Genetics Inc
 - 13.4.1 Key Facts
 - 13.4.2 Business Description
 - 13.4.3 Products and Services
 - 13.4.4 Financial Overview
 - 13.4.5 SWOT Analysis
 - 13.4.6 Key Developments
- 13.5 Laboratory Corp of America Holdings
 - 13.5.1 Key Facts
 - 13.5.2 Business Description
 - 13.5.3 Products and Services
 - 13.5.4 Financial Overview
 - 13.5.5 SWOT Analysis
 - 13.5.6 Key Developments
- 13.6 MedGenome Inc
 - 13.6.1 Key Facts
 - 13.6.2 Business Description
 - 13.6.3 Products and Services
 - 13.6.4 Financial Overview
 - 13.6.5 SWOT Analysis

- 13.6.6 Key Developments
- 13.7 Gene By Gene Ltd
 - 13.7.1 Key Facts
 - 13.7.2 Business Description
 - 13.7.3 Products and Services
 - 13.7.4 Financial Overview
 - 13.7.5 SWOT Analysis
 - 13.7.6 Key Developments
- 13.8 Thermo Fisher Scientific Inc.
 - 13.8.1 Key Facts
 - 13.8.2 Business Description
 - 13.8.3 Products and Services
 - 13.8.4 Financial Overview
 - 13.8.5 SWOT Analysis
 - 13.8.6 Key Developments
- 13.9 Fulgent Genetics, Inc
 - 13.9.1 Key Facts
 - 13.9.2 Business Description
 - 13.9.3 Products and Services
 - 13.9.4 Financial Overview
 - 13.9.5 SWOT Analysis
 - 13.9.6 Key Developments
- 13.10 Illumina, Inc
 - 13.10.1 Key Facts
 - 13.10.2 Business Description
 - 13.10.3 Products and Services
 - 13.10.4 Financial Overview
 - 13.10.5 SWOT Analysis
 - 13.10.6 Key Developments

14. APPENDIX

- 14.1 About The Insight Partners

List Of Tables

LIST OF TABLES

Table 1. Asia Pacific Carrier Testing Services Market Segmentation

Table 2. List of Vendors

Table 3. Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Table 4. Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Type

Table 5. Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Medical Conditions

Table 6. Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by End User

Table 7. Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Country

Table 8. China: Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Type

Table 9. China: Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Medical Conditions

Table 10. China: Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by End User

Table 11. Japan: Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Type

Table 12. Japan: Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Medical Conditions

Table 13. Japan: Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by End User

Table 14. India: Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Type

Table 15. India: Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Medical Conditions

Table 16. India: Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by End User

Table 17. Australia: Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Type

Table 18. Australia: Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Medical Conditions

Table 19. Australia: Asia Pacific Carrier Testing Services Market - Revenue and

Forecast, 2021 - 2031 (US\$ Million) - by End User

Table 20. South Korea: Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Type

Table 21. South Korea: Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Medical Conditions

Table 22. South Korea: Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by End User

Table 23. Rest of APAC: Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Type

Table 24. Rest of APAC: Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Medical Conditions

Table 25. Rest of APAC: Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by End User

Table 26. Heat Map Analysis by Key Players

List Of Figures

LIST OF FIGURES

Figure 1. Asia Pacific Carrier Testing Services Market Segmentation - Country

Figure 2. PEST Analysis

Figure 3. Ecosystem: Carrier Testing Services Market

Figure 4. Asia Pacific Carrier Testing Services Market - Key Market Dynamics

Figure 5. Impact Analysis of Drivers and Restraints

Figure 6. Asia Pacific Carrier Testing Services Market Revenue (US\$ Million), 2024 - 2031

Figure 7. Asia Pacific Carrier Testing Services Market Share (%) - by Type, 2024 and 2031

Figure 8. Expanded Carrier Screening: Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 9. Targeted Disease Carrier Screening: Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 10. Asia Pacific Carrier Testing Services Market Share (%) - by Medical Conditions, 2024 and 2031

Figure 11. Pulmonary Conditions: Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 12. Hematological Conditions: Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 13. Neurological Conditions: Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 14. Other Medical Conditions: Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 15. Asia Pacific Carrier Testing Services Market Share (%) - by End User, 2024 and 2031

Figure 16. Hospital-Based Laboratories: Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 17. Diagnostic Laboratories: Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 18. Other End Users: Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 19. Asia Pacific Carrier Testing Services Market Breakdown by Key Countries, 2024 and 2031 (%)

Figure 20. China: Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 21. Japan: Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 22. India: Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 23. Australia: Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 24. South Korea: Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 25. Rest of APAC: Asia Pacific Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 26. Company Positioning & Concentration

I would like to order

Product name: Asia Pacific Carrier Testing Services Market Size and Forecast (2021 - 2031)

Product link: <https://marketpublishers.com/r/A628A1163C18EN.html>

Price: US\$ 3,450.00 (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/A628A1163C18EN.html>