

Middle East & Africa Carrier Testing Services Market Size and Forecast (2021 - 2031)

<https://marketpublishers.com/r/M242660142D8EN.html>

Date: April 2026

Pages: 150

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

ID: M242660142D8EN

Abstracts

The Middle East & Africa Carrier Testing Services Market is projected to grow significantly, reaching an estimated US\$ 38.5 million by 2031, up from US\$ 16.1 million in 2024. This growth reflects a compound annual growth rate (CAGR) of 13.5% from 2025 to 2031, indicating a robust demand for carrier testing services in the region.

Executive Summary and Market Analysis

The carrier testing services market in the Middle East and Africa is primarily segmented into key regions: the UAE, Saudi Arabia, South Africa, and the Rest of MEA. A notable factor driving the demand for carrier screening in Middle Eastern countries is the prevalence of consanguineous marriages, which increases the risk of recessive genetic disorders. As a result, there is a heightened need for genetic screening to identify potential hereditary conditions.

Several countries in the region are at various stages of implementing or enhancing national or premarital genetic screening programs, reflecting governmental commitment to mitigating the impact of hereditary diseases. On the technological front, genetic testing laboratories and companies are expanding their capabilities and forming partnerships with local healthcare providers. Despite challenges such as inadequate infrastructure and a shortage of genetic counseling in parts of Africa, some nations are making strides toward establishing better diagnostic networks and training more genetic counselors through targeted investments.

The adoption of next-generation sequencing (NGS) technologies and the availability of more affordable testing options are broadening access to genetic testing for a wider population. This presents a dual challenge for carriers and testing companies: they must

navigate public health initiatives while also catering to the demands of private, often affluent, patient segments. Success in this market requires a deep understanding of local cultures, regulatory environments, and cost structures. Companies that forge local partnerships and customize their services to meet regional needs stand to gain significant long-term benefits.

Strategic Insights

Market Segmentation Analysis

The Middle East & Africa Carrier Testing Services Market can be segmented by type, medical conditions, and end users:

By Type: The market is divided into Expanded Carrier Screening and Targeted Disease Carrier Screening. The Expanded Carrier Screening segment is expected to dominate the market in 2024.

By Medical Conditions: The market is categorized into Pulmonary Conditions, Hematological Conditions, Neurological Conditions, and Other Medical Conditions, with Pulmonary Conditions leading the market in 2024.

By End User: The market is segmented into Hospital-Based Laboratories, Diagnostic Laboratories, and Other End Users, where Hospital-Based Laboratories are anticipated to hold the largest share in 2024.

Market Outlook

Supportive government policies and regulatory frameworks, particularly in the form of national screening programs, are crucial in reducing the prevalence of hereditary diseases. Several countries have initiated mandatory premarital genetic screening to identify carriers of severe recessive conditions before couples conceive. For instance, starting January 2025, the health authority in Abu Dhabi will require Emirati couples to undergo genetic testing for over 570 genes associated with more than 840 autosomal recessive diseases. Similarly, Saudi Arabia has long advocated for premarital screening for hemoglobinopathies, such as sickle cell anemia and beta-thalassemia, with programs available in over 130 healthcare centers.

Governments are not only investing in screening programs but also in building the

necessary infrastructure. In the UAE, efforts are underway to enhance genetic counseling services, recognizing that the responsible communication of carrier test results must be conducted by trained specialists. This combination of policy mandates, public funding, and workforce development lays a strong foundation for scalable carrier testing services, positioning them as essential public health interventions.

Country Insights

The market is further segmented by country, with Saudi Arabia, South Africa, the UAE, and the Rest of Middle East & Africa being key players. The Rest of Middle East & Africa accounted for the largest market share in 2024, with countries like Bahrain, Kuwait, Oman, Qatar, Morocco, Algeria, Nigeria, Egypt, Tunisia, and Libya contributing significantly to the carrier testing services market.

Awareness of genetic disease risks is increasing, particularly in regions where consanguineous marriages are common. However, the infrastructure for genetic testing remains underdeveloped and fragmented across different regions. Regulatory frameworks vary widely; some areas have established policies for genetic counseling and screening, while others lack clear guidelines and sufficient capacity. To expand carrier screening panels, international genomics companies are actively seeking collaborations with local healthcare providers.

Organizations such as the Centre for Arab Genomic Studies (CAGS) and various academic and non-profit entities are leading efforts to document genetic disorders and facilitate research across the Arab world. The introduction of telemedicine and remote counseling services is also helping to extend access to genetic testing in areas with a shortage of genetic counselors. For businesses to succeed in this landscape, they must navigate regulatory differences, develop local expertise, and educate healthcare professionals and the public about the advantages of carrier screening.

Company Profiles

Key players in the Middle East & Africa 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, including expansion, product innovation, and mergers and acquisitions, to enhance their offerings and increase 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. MIDDLE EAST & AFRICA 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 - MIDDLE EAST & AFRICA MARKET

ANALYSIS

6.1 Middle East & Africa Carrier Testing Services Market Revenue (US\$ Million), 2024 - 2031

6.2 Middle East & Africa Carrier Testing Services Market Forecast and Analysis

7. MIDDLE EAST & AFRICA CARRIER TESTING SERVICES MARKET REVENUE ANALYSIS - BY TYPE

7.1 Expanded Carrier Screening

7.1.1 Overview

7.1.2 Expanded Carrier Screening: Middle East & Africa 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: Middle East & Africa Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

8. MIDDLE EAST & AFRICA CARRIER TESTING SERVICES MARKET REVENUE ANALYSIS - BY MEDICAL CONDITIONS

8.1 Pulmonary Conditions

8.1.1 Overview

8.1.2 Pulmonary Conditions: Middle East & Africa Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

8.2 Hematological Conditions

8.2.1 Overview

8.2.2 Hematological Conditions: Middle East & Africa Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

8.3 Neurological Conditions

8.3.1 Overview

8.3.2 Neurological Conditions: Middle East & Africa 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: Middle East & Africa Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

9. MIDDLE EAST & AFRICA CARRIER TESTING SERVICES MARKET REVENUE

ANALYSIS - BY END USER

9.1 Hospital-Based Laboratories

9.1.1 Overview

9.1.2 Hospital-Based Laboratories: Middle East & Africa Carrier Testing Services

Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

9.2 Diagnostic Laboratories

9.2.1 Overview

9.2.2 Diagnostic Laboratories: Middle East & Africa 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: Middle East & Africa Carrier Testing Services Market -

Revenue and Forecast, 2021 - 2031 (US\$ Million)

10. MIDDLE EAST & AFRICA CARRIER TESTING SERVICES MARKET - COUNTRY ANALYSIS

10.1 Middle East & Africa

10.1.1 Middle East & Africa Carrier Testing Services Market Revenue and Forecast and Analysis - by Country

10.1.1.1 Middle East & Africa Carrier Testing Services Market Revenue and Forecast and Analysis - by Country

10.1.2.2 Saudi Arabia: Middle East & Africa Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

10.1.2.2.1 Saudi Arabia: Middle East & Africa Carrier Testing Services Market Share - by Type

10.1.2.2.2 Saudi Arabia: Middle East & Africa Carrier Testing Services Market Share - by Medical Conditions

10.1.2.2.3 Saudi Arabia: Middle East & Africa Carrier Testing Services Market Share - by End User

10.2.3.3 South Africa: Middle East & Africa Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

10.2.3.3.1 South Africa: Middle East & Africa Carrier Testing Services Market Share - by Type

10.2.3.3.2 South Africa: Middle East & Africa Carrier Testing Services Market Share - by Medical Conditions

10.2.3.3.3 South Africa: Middle East & Africa Carrier Testing Services Market Share - by End User

10.3.4.4 United Arab Emirates: Middle East & Africa Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

10.3.4.4.1 United Arab Emirates: Middle East & Africa Carrier Testing Services Market Share - by Type

10.3.4.4.2 United Arab Emirates: Middle East & Africa Carrier Testing Services Market Share - by Medical Conditions

10.3.4.4.3 United Arab Emirates: Middle East & Africa Carrier Testing Services Market Share - by End User

10.4.5.5 Rest of Middle East & Africa: Middle East & Africa Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

10.4.5.5.1 Rest of Middle East & Africa: Middle East & Africa Carrier Testing Services Market Share - by Type

10.4.5.5.2 Rest of Middle East & Africa: Middle East & Africa Carrier Testing Services Market Share - by Medical Conditions

10.4.5.5.3 Rest of Middle East & Africa: Middle East & Africa 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. Middle East & Africa Carrier Testing Services Market Segmentation
- Table 2. List of Vendors
- Table 3. Middle East & Africa Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)
- Table 4. Middle East & Africa Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Type
- Table 5. Middle East & Africa Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Medical Conditions
- Table 6. Middle East & Africa Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by End User
- Table 7. Middle East & Africa Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Country
- Table 8. Saudi Arabia: Middle East & Africa Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Type
- Table 9. Saudi Arabia: Middle East & Africa Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Medical Conditions
- Table 10. Saudi Arabia: Middle East & Africa Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by End User
- Table 11. South Africa: Middle East & Africa Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Type
- Table 12. South Africa: Middle East & Africa Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Medical Conditions
- Table 13. South Africa: Middle East & Africa Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by End User
- Table 14. United Arab Emirates: Middle East & Africa Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Type
- Table 15. United Arab Emirates: Middle East & Africa Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Medical Conditions
- Table 16. United Arab Emirates: Middle East & Africa Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by End User
- Table 17. Rest of Middle East & Africa: Middle East & Africa Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Type
- Table 18. Rest of Middle East & Africa: Middle East & Africa Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Medical Conditions
- Table 19. Rest of Middle East & Africa: Middle East & Africa Carrier Testing Services

Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by End User
Table 20. Heat Map Analysis by Key Players

List Of Figures

LIST OF FIGURES

Figure 1. Middle East & Africa Carrier Testing Services Market Segmentation - Country

Figure 2. PEST Analysis

Figure 3. Ecosystem: Carrier Testing Services Market

Figure 4. Middle East & Africa Carrier Testing Services Market - Key Market Dynamics

Figure 5. Impact Analysis of Drivers and Restraints

Figure 6. Middle East & Africa Carrier Testing Services Market Revenue (US\$ Million), 2024 - 2031

Figure 7. Middle East & Africa Carrier Testing Services Market Share (%) - by Type, 2024 and 2031

Figure 8. Expanded Carrier Screening: Middle East & Africa Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

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

Figure 10. Middle East & Africa Carrier Testing Services Market Share (%) - by Medical Conditions, 2024 and 2031

Figure 11. Pulmonary Conditions: Middle East & Africa Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 12. Hematological Conditions: Middle East & Africa Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 13. Neurological Conditions: Middle East & Africa Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

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

Figure 15. Middle East & Africa Carrier Testing Services Market Share (%) - by End User, 2024 and 2031

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

Figure 17. Diagnostic Laboratories: Middle East & Africa Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

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

Figure 19. Middle East & Africa Carrier Testing Services Market Breakdown by Key Countries, 2024 and 2031 (%)

Figure 20. Saudi Arabia: Middle East & Africa Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 21. South Africa: Middle East & Africa Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 22. United Arab Emirates: Middle East & Africa Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 23. Rest of Middle East & Africa: Middle East & Africa Carrier Testing Services Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 24. Company Positioning & Concentration

I would like to order

Product name: Middle East & Africa Carrier Testing Services Market Size and Forecast (2021 - 2031)

Product link: <https://marketpublishers.com/r/M242660142D8EN.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/M242660142D8EN.html>