

# **Middle East Plasmid DNA Manufacturing Market Size, Share & Trends Analysis Report By Disease (Cancer, Infectious Diseases), By Grade (R&D, GMP), By Application, By Development Phase, By Country, And Segment Forecasts, 2025 - 2033**

<https://marketpublishers.com/r/M5AEE4D39486EN.html>

Date: August 2025

Pages: 150

Price: US\$ 4,950.00 (Single User License)

ID: M5AEE4D39486EN

## **Abstracts**

### Market Size & Trends

The Middle East plasmid DNA manufacturing market size was estimated at USD 45.3 million in 2024 and is expected to reach USD 186.5 million by 2033, expanding at a CAGR of 17.43% from 2025 to 2033. Growth is driven by increasing investments in biotechnology, the expansion of GMP-compliant facilities, and supportive government initiatives under national life sciences strategies. Strategic partnerships with global biopharma companies, coupled with advanced R&D infrastructure and strong logistics capabilities, are further enhancing the region's position as a competitive hub for plasmid DNA production.

### Increased Investment in Healthcare Transformation

Under Vision 2030, Saudi Arabia is committing over USD 65 billion to transform its healthcare system. The initiative aims to revamp infrastructure, establish 21 health clusters, scale up e-health services, and increase private sector participation from 40% to 65% by 2030. The Kingdom is also accelerating efforts to localize pharmaceutical production, reduce import dependence, and boost value creation in life sciences. These reforms are designed to enhance quality, accessibility, and efficiency while opening the market to global partnerships.

India, with its globally competitive pharmaceutical industry, is well-positioned to support

Saudi Arabia's diversification in healthcare. Accounting for about 20% of global generic medicine exports and being the world's largest vaccine producer by volume, India offers affordable, high-quality healthcare solutions. Its strong track record in global vaccine supply and pharmaceutical manufacturing demonstrates reliability and the capacity to meet large-scale demand. During the COVID-19 pandemic, India supplied millions of vaccine doses to Saudi Arabia, reinforcing its role as a strategic healthcare partner.

To fully capitalize on this synergy, streamlined regulatory cooperation, technology transfer agreements, and localization incentives will be critical. Saudi procurement authorities are encouraging domestic manufacturing through offtake agreements and strategic partnerships. Several Indian pharmaceutical firms have already entered the Saudi market, secured local regulatory approvals and established a presence. Joint ventures and localized production facilities are expected to further strengthen bilateral trade, enhance Saudi self-sufficiency in essential medicines, and provide a gateway for Indian companies to access the broader MENA healthcare market.

### Middle East Plasmid DNA Manufacturing Market Report Segmentation

This report forecasts revenue growth at the regional and country levels and provides an analysis on the latest trends in each of the sub-segments from 2021 to 2033. For this study, Grand View Research has segmented the Middle East plasmid DNA manufacturing market report on the basis of grade, development phase, application, disease, and country:

#### Grade Outlook (Revenue, USD Million, 2021 - 2033)

##### R&D Grade

Viral Vector Development

AAV

Lentivirus

Adenovirus

Retrovirus

Others

mRNA Development

Antibody Development

DNA Vaccine Development

Others

GMP Grade

Development Phase Outlook (Revenue, USD Million, 2021 - 2033)

Pre-Clinical Therapeutics

Clinical Therapeutics

Marketed Therapeutics

Application Outlook (Revenue, USD Million, 2021 - 2033)

DNA Vaccines

Cell & Gene Therapy

Immunotherapy

Others

Disease Outlook (Revenue, USD Million, 2021 - 2033)

Infectious Disease

Cancer

Genetic Disorder

Others

Country Outlook (Revenue, USD Million, 2021 - 2033)

Saudi Arabia

UAE

Kuwait

Qatar

Oman

Rest of Middle East

**This report can be delivered to the clients within 2 Business Days**

## Contents

### **CHAPTER 1. METHODOLOGY AND SCOPE**

- 1.1. Market Segmentation & Scope
- 1.2. Segment Definitions
  - 1.2.1. Grade
  - 1.2.2. Development Phase
  - 1.2.3. Application
  - 1.2.4. Disease
- 1.3. Research Methodology
- 1.4. Information Procurement
  - 1.4.1. Purchased database
  - 1.4.2. GVR's internal database
  - 1.4.3. Secondary sources
  - 1.4.4. Primary research
- 1.5. Information or Data Analysis
  - 1.5.1. Data analysis models
- 1.6. Market Formulation & Validation
- 1.7. Model Details
- 1.8. List of Secondary Sources
- 1.9. List of Primary Sources
- 1.10. Objectives

### **CHAPTER 2. EXECUTIVE SUMMARY**

- 2.1. Market Outlook
- 2.2. Segment Snapshot
- 2.3. Competitive Insights Landscape

### **CHAPTER 3. MIDDLE EAST PLASMID DNA MANUFACTURING MARKET VARIABLES, TRENDS & SCOPE**

- 3.1. Market Lineage Outlook
  - 3.1.1. Parent market outlook
  - 3.1.2. Related/ancillary market outlook.
- 3.2. Market Dynamics
  - 3.2.1. Market driver analysis
    - 3.2.1.1. Rising demand for advanced therapies

- 3.2.1.2. Expansion of clinical research activities
- 3.2.2. Market restraint analysis
  - 3.2.2.1. Limited regional manufacturing infrastructure
  - 3.2.2.2. High production cost
- 3.3. Middle East Plasmid DNA Manufacturing Market Analysis Tools
  - 3.3.1. Industry Analysis - Porter's
  - 3.3.2. PESTEL Analysis

## **CHAPTER 4. MIDDLE EAST PLASMID DNA MANUFACTURING MARKET: GRADE ESTIMATES & TREND ANALYSIS**

- 4.1. Segment Dashboard
- 4.2. Middle East Plasmid DNA Manufacturing Market Grade Movement Analysis
- 4.3. Middle East Plasmid DNA Manufacturing Market Size & Trend Analysis, by Grade, 2021 to 2033 (USD Million)
- 4.4. R&D Grade
  - 4.4.1. R&D grade market estimates and forecasts 2021 to 2033 (USD Million)
  - 4.4.2. Viral Vector Development
    - 4.4.2.1. Viral vector development market estimates and forecasts 2021 to 2033 (USD Million)
    - 4.4.2.2. AAV
      - 4.4.2.2.1. AAV market estimates and forecasts 2021 to 2033 (USD Million)
    - 4.4.2.3. Lentivirus
      - 4.4.2.3.1. Lentivirus market estimates and forecasts 2021 to 2033 (USD Million)
    - 4.4.2.4. Adenovirus
      - 4.4.2.4.1. Adenovirus market estimates and forecasts 2021 to 2033 (USD Million)
    - 4.4.2.5. Retrovirus
      - 4.4.2.5.1. Retrovirus market estimates and forecasts 2021 to 2033 (USD Million)
    - 4.4.2.6. Others
      - 4.4.2.6.1. Others market estimates and forecasts 2021 to 2033 (USD Million)
  - 4.4.3. mRNA Development
    - 4.4.3.1. mRNA development market estimates and forecasts 2021 to 2033 (USD Million)
  - 4.4.4. Antibody Development
    - 4.4.4.1. Antibody development market estimates and forecasts 2021 to 2033 (USD Million)
  - 4.4.5. DNA Vaccine Development
    - 4.4.5.1. DNA vaccine development market estimates and forecasts 2021 to 2033 (USD Million)

#### 4.4.6. Others

4.4.6.1. Others market estimates and forecasts 2021 to 2033 (USD Million)

#### 4.5. GMP Grade

4.5.1. GMP grade market estimates and forecasts 2021 to 2033 (USD Million)

### **CHAPTER 5. MIDDLE EAST PLASMID DNA MANUFACTURING MARKET: DEVELOPMENT PHASE ESTIMATES & TREND ANALYSIS**

#### 5.1. Segment Dashboard

#### 5.2. Middle East Plasmid DNA Manufacturing Market Development Phase Movement Analysis

#### 5.3. Middle East Plasmid DNA Manufacturing Market Size & Trend Analysis, by Development Phase, 2021 to 2033 (USD Million)

#### 5.4. Pre-clinical Therapeutics

5.4.1. Pre-clinical therapeutics market estimates and forecasts 2021 to 2033 (USD Million)

#### 5.5. Clinical Therapeutics

5.5.1. Clinical therapeutics market estimates and forecasts 2021 to 2033 (USD Million)

#### 5.6. Marketed Therapeutics

5.6.1. Marketed therapeutics market estimates and forecasts 2021 to 2033 (USD Million)

### **CHAPTER 6. MIDDLE EAST PLASMID DNA MANUFACTURING MARKET: APPLICATION ESTIMATES & TREND ANALYSIS**

#### 6.1. Segment Dashboard

#### 6.2. Middle East Plasmid DNA Manufacturing Market Application Movement Analysis

#### 6.3. Middle East Plasmid DNA Manufacturing Market Size & Trend Analysis, by Application, 2021 to 2033 (USD Million)

#### 6.4. DNA Vaccines

6.4.1. DNA vaccines market estimates and forecasts 2021 to 2033 (USD Million)

#### 6.5. Cell & Gene Therapy

6.5.1. Cell & gene therapy market estimates and forecasts 2021 to 2033 (USD Million)

#### 6.6. Immunotherapy

6.6.1. Immunotherapy market estimates and forecasts 2021 to 2033 (USD Million)

#### 6.7. Others

6.7.1. Others market estimates and forecasts 2021 to 2033 (USD Million)

### **CHAPTER 7. MIDDLE EAST PLASMID DNA MANUFACTURING MARKET: DISEASE**

## **ESTIMATES & TREND ANALYSIS**

### 7.1. Segment Dashboard

### 7.2. Middle East Plasmid DNA Manufacturing Market Disease Movement Analysis

### 7.3. Middle East Plasmid DNA Manufacturing Market Size & Trend Analysis, by Disease, 2021 to 2033 (USD Million)

### 7.4. Infectious Disease

#### 7.4.1. Infectious disease market estimates and forecasts 2021 to 2033 (USD Million)

### 7.5. Cancer

#### 7.5.1. Cancer market estimates and forecasts 2021 to 2033 (USD Million)

### 7.6. Genetic Disorder

#### 7.6.1. Genetic disorder market estimates and forecasts 2021 to 2033 (USD Million)

### 7.7. Others

#### 7.7.1. Others market estimates and forecasts 2021 to 2033 (USD Million)

## **CHAPTER 8. MIDDLE EAST PLASMID DNA MANUFACTURING MARKET: REGIONAL ESTIMATES & TREND ANALYSIS**

### 8.1. Country Market Share Analysis, 2024 & 2033

### 8.2. Country Market Dashboard

### 8.3. Market Size, & Forecasts Trend Analysis, 2021 to 2033:

### 8.4. Middle East

#### 8.4.1. Saudi Arabia

##### 8.4.1.1. Key country dynamics

##### 8.4.1.2. Competitive scenario

##### 8.4.1.3. Regulatory landscape

##### 8.4.1.4. Saudi Arabia market estimates and forecasts 2021 to 2033 (USD Million)

#### 8.4.2. UAE

##### 8.4.2.1. Key country dynamics

##### 8.4.2.2. Competitive scenario

##### 8.4.2.3. Regulatory landscape

##### 8.4.2.4. UAE market estimates and forecasts 2021 to 2033 (USD Million)

#### 8.4.3. Kuwait

##### 8.4.3.1. Key country dynamics

##### 8.4.3.2. Competitive scenario

##### 8.4.3.3. Regulatory landscape

##### 8.4.3.4. Kuwait market estimates and forecasts 2021 to 2033 (USD Million)

#### 8.4.4. Qatar

##### 8.4.4.1. Key country dynamics

- 8.4.4.2. Competitive scenario
- 8.4.4.3. Regulatory landscape
- 8.4.4.4. Qatar market estimates and forecasts 2021 to 2033 (USD Million)
- 8.4.5. Oman
  - 8.4.5.1. Key country dynamics
  - 8.4.5.2. Competitive scenario
  - 8.4.5.3. Regulatory landscape
  - 8.4.5.4. Oman market estimates and forecasts 2021 to 2033 (USD Million)
- 8.4.6. Rest of Middle East
  - 8.4.6.1. Key country dynamics
  - 8.4.6.2. Competitive scenario
  - 8.4.6.3. Regulatory landscape
  - 8.4.6.4. Rest of Middle East market estimates and forecasts 2021 to 2033 (USD Million)

## **CHAPTER 9. COMPETITIVE LANDSCAPE**

- 9.1. Company/Competition Categorization
- 9.2. Strategy Mapping
- 9.3. Company Market Position Analysis, 2024
- 9.4. Company Profiles/Listing
  - 9.4.1. Charles River Laboratories
    - 9.4.1.1. Company overview
    - 9.4.1.2. Financial performance
    - 9.4.1.3. Service benchmarking
    - 9.4.1.4. Strategic initiatives
  - 9.4.2. Danaher
    - 9.4.2.1. Company overview
    - 9.4.2.2. Financial performance
    - 9.4.2.3. Service benchmarking
    - 9.4.2.4. Strategic initiatives
  - 9.4.3. Lonza Group
    - 9.4.3.1. Company overview
    - 9.4.3.2. Financial performance
    - 9.4.3.3. Service benchmarking
    - 9.4.3.4. Strategic initiatives
  - 9.4.4. VGXI, Inc.
    - 9.4.4.1. Company overview
    - 9.4.4.2. Financial performance

- 9.4.4.3. Service benchmarking
- 9.4.4.4. Strategic initiatives
- 9.4.5. Kaneka Corp.
  - 9.4.5.1. Company overview
  - 9.4.5.2. Financial performance
  - 9.4.5.3. Service benchmarking
  - 9.4.5.4. Strategic initiatives
- 9.4.6. Eurofins Genomics
  - 9.4.6.1. Company overview
  - 9.4.6.2. Financial performance
  - 9.4.6.3. Service benchmarking
  - 9.4.6.4. Strategic initiatives
- 9.4.7. Luminous BioSciences, LLC
  - 9.4.7.1. Company overview
  - 9.4.7.2. Financial performance
  - 9.4.7.3. Service benchmarking
  - 9.4.7.4. Strategic initiatives
- 9.4.8. Cell & Gene Therapy Catapult
  - 9.4.8.1. Company overview
  - 9.4.8.2. Financial performance
  - 9.4.8.3. Service benchmarking
  - 9.4.8.4. Strategic initiatives
- 9.4.9. Nature Technology
  - 9.4.9.1. Company overview
  - 9.4.9.2. Financial performance
  - 9.4.9.3. Service benchmarking
  - 9.4.9.4. Strategic initiatives
- 9.4.10. Akron Biotech
  - 9.4.10.1. Company overview
  - 9.4.10.2. Financial performance
  - 9.4.10.3. Service benchmarking
  - 9.4.10.4. Strategic initiatives

## List Of Tables

### LIST OF TABLES

Table 1 List of abbreviation

Table 2 Middle East plasmid DNA manufacturing market, by country, 2021 - 2033 (USD Million)

Table 3 Middle East plasmid DNA manufacturing market, by grade, 2021 - 2033 (USD Million)

Table 4 Middle East plasmid DNA manufacturing market, by development phase, 2021 - 2033 (USD Million)

Table 5 Middle East plasmid DNA manufacturing market, by application, 2021 - 2033 (USD Million)

Table 6 Middle East plasmid DNA manufacturing market, by disease, 2021 - 2033 (USD Million)

Table 7 UAE plasmid DNA manufacturing market, by grade, 2021 - 2033 (USD Million)

Table 8 UAE plasmid DNA manufacturing market, by development phase, 2021 - 2033 (USD Million)

Table 9 UAE plasmid DNA manufacturing market, by application, 2021 - 2033 (USD Million)

Table 10 UAE plasmid DNA manufacturing market, by disease, 2021 - 2033 (USD Million)

Table 11 Kuwait plasmid DNA manufacturing market, by grade, 2021 - 2033 (USD Million)

Table 12 Kuwait plasmid DNA manufacturing market, by development phase, 2021 - 2033 (USD Million)

Table 13 Kuwait plasmid DNA manufacturing market, by application, 2021 - 2033 (USD Million)

Table 14 Kuwait plasmid DNA manufacturing market, by disease, 2021 - 2033 (USD Million)

Table 15 Qatar plasmid DNA manufacturing market, by grade, 2021 - 2033 (USD Million)

Table 16 Qatar plasmid DNA manufacturing market, by development phase, 2021 - 2033 (USD Million)

Table 17 Qatar plasmid DNA manufacturing market, by application, 2021 - 2033 (USD Million)

Table 18 Qatar plasmid DNA manufacturing market, by disease, 2021 - 2033 (USD Million)

Table 19 Oman plasmid DNA manufacturing market, by grade, 2021 - 2033 (USD Million)

Table 20 Oman plasmid DNA manufacturing market, by development phase, 2021 - 2033 (USD Million)

Table 21 Oman plasmid DNA manufacturing market, by application, 2021 - 2033 (USD Million)

Table 22 Oman plasmid DNA manufacturing market, by disease, 2021 - 2033 (USD Million)

Table 23 Rest of Middle East plasmid DNA manufacturing market, by grade, 2021 - 2033 (USD Million)

Table 24 Rest of Middle East plasmid DNA manufacturing market, by development phase, 2021 - 2033 (USD Million)

Table 25 Rest of Middle East plasmid DNA manufacturing market, by application, 2021 - 2033 (USD Million)

Table 26 Rest of Middle East plasmid DNA manufacturing market, by disease, 2021 - 2033 (USD Million)

## List Of Figures

### LIST OF FIGURES

Fig. 1 Middle East plasmid DNA manufacturing market segmentation

Fig. 2 Data analysis models

Fig. 3 Market formulation and validation

Fig. 4 Data validating & publishing

Fig. 5 Market research process

Fig. 6 Information procurement

Fig. 7 Primary research

Fig. 8 Market formulation & validation

Fig. 9 Commodity flow analysis

Fig. 10 Market outlook

Fig. 11 Segments snapshot

Fig. 12 Competitive landscape snapshot

Fig. 13 Market trends & outlook

Fig. 14 PESTEL analysis

Fig. 15 Porter's five forces analysis

Fig. 16 Middle East plasmid DNA manufacturing market: Grade outlook & key takeaways

Fig. 17 Middle East plasmid DNA manufacturing market: Grade movement analysis

Fig. 18 R&D grade market estimates and forecasts, 2021 - 2033 (USD Million)

Fig. 19 Viral vector development market estimates and forecasts, 2021 - 2033 (USD Million)

Fig. 20 AAV market estimates and forecasts, 2021 - 2033 (USD Million)

Fig. 21 Lentivirus market estimates and forecasts, 2021 - 2033 (USD Million)

Fig. 22 Adenovirus market estimates and forecasts, 2021 - 2033 (USD Million)

Fig. 23 Retrovirus market estimates and forecasts, 2021 - 2033 (USD Million)

Fig. 24 Others market estimates and forecasts, 2021 - 2033 (USD Million)

Fig. 25 mRNA development market estimates and forecasts, 2021 - 2033 (USD Million)

Fig. 26 Antibody development market estimates and forecasts, 2021 - 2033 (USD Million)

Fig. 27 DNA vaccine development market estimates and forecasts, 2021 - 2033 (USD Million)

Fig. 28 Others market estimates and forecasts, 2021 - 2033 (USD Million)

Fig. 29 GMP grade market estimates and forecasts, 2021 - 2033 (USD Million)

Fig. 30 Middle East plasmid DNA manufacturing Market: Development phase outlook &

## key takeaways

Fig. 31 Middle East plasmid DNA manufacturing Market: Development phase movement analysis

Fig. 32 Pre-clinical therapeutics market estimates and forecasts, 2021 - 2033 (USD Million)

Fig. 33 Clinical therapeutics market estimates and forecasts, 2021 - 2033 (USD Million)

Fig. 34 Marketed therapeutics market estimates and forecasts, 2021 - 2033 (USD Million)

Fig. 35 Middle East plasmid DNA manufacturing Market: Application outlook & key takeaways

Fig. 36 Middle East plasmid DNA manufacturing Market: Application movement analysis

Fig. 37 DNA vaccines market estimates and forecasts, 2021 - 2033 (USD Million)

Fig. 38 Cell & gene therapy market estimates and forecasts, 2021 - 2033 (USD Million)

Fig. 39 Immunotherapy market estimates and forecasts, 2021 - 2033 (USD Million)

Fig. 40 Others market estimates and forecasts, 2021 - 2033 (USD Million)

Fig. 41 Middle East plasmid DNA manufacturing market: End-use outlook & key takeaways

Fig. 42 Middle East plasmid DNA manufacturing market: End-use movement analysis

Fig. 43 Cancer market estimates and forecasts, 2021 - 2033 (USD Million)

Fig. 44 Infectious disease market estimates and forecasts, 2021 - 2033 (USD Million)

Fig. 45 Genetic disorder market estimates and forecasts, 2021 - 2033 (USD Million)

Fig. 46 Others market estimates and forecasts, 2021 - 2033 (USD Million)

Fig. 47 Country marketplace outlook, 2024 & 2033 (USD Million)

Fig. 48 Country marketplace: Key takeaways

Fig. 49 Key country dynamics

Fig. 50 Saudi Arabia plasmid DNA manufacturing market estimates and forecasts, 2021 - 2033 (USD Million)

Fig. 51 Key country dynamics

Fig. 52 UAE plasmid DNA manufacturing market estimates and forecasts, 2021 - 2033 (USD Million)

Fig. 53 Key country dynamics

Fig. 54 Kuwait plasmid DNA manufacturing market estimates and forecasts, 2021 - 2033 (USD Million)

Fig. 55 Key country dynamics

Fig. 56 Qatar plasmid DNA manufacturing market estimates and forecasts, 2021 - 2033 (USD Million)

Fig. 57 Key country dynamics

Fig. 58 Oman plasmid DNA manufacturing market estimates and forecasts, 2021 - 2033 (USD Million)

Fig. 59 Key country dynamics

Fig. 60 Rest of Middle East plasmid DNA manufacturing market estimates and forecasts, 2021 - 2033 (USD Million)

Fig. 61 Market participant categorization

Fig. 62 Strategic framework

## I would like to order

Product name: Middle East Plasmid DNA Manufacturing Market Size, Share & Trends Analysis Report By Disease (Cancer, Infectious Diseases), By Grade (R&D, GMP), By Application, By Development Phase, By Country, And Segment Forecasts, 2025 - 2033

Product link: <https://marketpublishers.com/r/M5AEE4D39486EN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/M5AEE4D39486EN.html>