

# Global mRNA Vaccines Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global mRNA Vaccines market size was valued at US\$ 9189 million in 2025 and is forecast to a readjusted size of US\$ 19880 million by 2032 with a CAGR of 11.6% during review period.

In 2025, global mRNA vaccine production was about 1.1 billion doses with capacity near 2 billion doses per year; the average revenue per dose is USD 8, and innovator gross margins are around 62%. mRNA vaccines are biologic medicines that use messenger RNA (mRNA) molecules to instruct human cells to produce a harmless piece of a pathogen (such as a viral spike protein), which triggers an immune response without exposing the body to the actual disease. Their supply chain spans multiple specialized layers: upstream raw materials (nucleotides, enzymes, plasmid DNA templates, lipid components for lipid nanoparticles, buffers, and sterile consumables), midstream manufacturing (in-vitro transcription of mRNA, purification, lipid nanoparticle encapsulation, sterile fill-finish, and cold-chain packaging), and downstream distribution and deployment (ultra-cold storage logistics, regulatory release, healthcare delivery, and post-market pharmacovigilance). The ecosystem involves biotech innovators, contract development and manufacturing organizations (CDMOs), lipid and reagent suppliers, cold-chain logistics providers, and healthcare systems, making mRNA vaccines a highly integrated biopharmaceutical supply chain driven by rapid scalability, advanced materials, and stringent quality control.

The mRNA vaccine market is driven by pandemic preparedness policies, rapid platform scalability, and expanding applications beyond infectious diseases into oncology and rare diseases. Government funding, advance purchase agreements, and national biodefense strategies remain major demand anchors, while technological advantages such as faster development timelines, modular manufacturing, and strong IP protection

support premium pricing and high margins. Growth is increasingly fueled by pipeline diversification (flu, RSV, combination vaccines, personalized cancer vaccines), improvements in lipid nanoparticle delivery and thermostability, and the build-out of regional manufacturing capacity to ensure supply security.

This report is a detailed and comprehensive analysis for global mRNA Vaccines market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

### **Key Features:**

Global mRNA Vaccines market size and forecasts, in consumption value (\$ Million), sales quantity (K Dose), and average selling prices (US\$/Dose), 2021-2032

Global mRNA Vaccines market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Dose), and average selling prices (US\$/Dose), 2021-2032

Global mRNA Vaccines market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Dose), and average selling prices (US\$/Dose), 2021-2032

Global mRNA Vaccines market shares of main players, shipments in revenue (\$ Million), sales quantity (K Dose), and ASP (US\$/Dose), 2021-2026

### **The Primary Objectives in This Report Are:**

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for mRNA Vaccines

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global mRNA Vaccines market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Moderna, CureVac, Sanofi, BioNTech, Sangamo Therapeutics, Argos Therapeutics, In-Cell-Art, eTheRNA immunotherapies, Ethris, Tiba Biotechnology, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

## **Market Segmentation**

mRNA Vaccines market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

### Market segment by Type

Conventional mRNA

Self-amplifying mRNA

Trans-amplifying mRNA

Circular mRNA

### Market segment by Platform Approach

Standard IVT Platform Vaccines

Modular Platform Vaccines

Lyophilized mRNA Vaccines

### Market segment by Antigen Strategy

Single-antigen Vaccines

Multivalent Vaccines

Personalized Vaccines

#### Market segment by Application

Infectious Diseases

Autoimmune Diseases

Cancers

Others

#### Major players covered

Moderna

CureVac

Sanofi

BioNTech

Sangamo Therapeutics

Argos Therapeutics

In-Cell-Art

eTheRNA immunotherapies

Ethris

Tiba Biotechnology

Pfizer

Arcturus Therapeutics

Genexine

Translate Bio

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

**The content of the study subjects, includes a total of 15 chapters:**

Chapter 1, to describe mRNA Vaccines product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of mRNA Vaccines, with price, sales quantity, revenue, and global market share of mRNA Vaccines from 2021 to 2026.

Chapter 3, the mRNA Vaccines competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the mRNA Vaccines breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and mRNA Vaccines market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of mRNA Vaccines.

Chapter 14 and 15, to describe mRNA Vaccines sales channel, distributors, customers, research findings and conclusion.

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