

mRNA: Therapeutics and Global Markets

Market Research Report | 2025-09-10 | 131 pages | BCC Research

AVAILABLE LICENSES:

- Single User License \$4650.00
- 2-5 Users License \$5580.00
- Site License \$6696.00
- Enterprise License \$8035.00

Report description:

Description

Report Scope

The report analyzes the global market for mRNA therapeutics. It includes global revenue (\$ millions) for the base year of 2024, estimated data for 2025 and projected compound annual growth rates (CAGRs) through 2030. The report examines the different types of mRNA and their applications for therapeutic use. It also focuses on mRNA patents and clinical trials and examines the trends affecting the market during the forecast period. The report profiles the leading companies and their strategic alliances and partnerships. The report segments the global market into North America, Europe, Asia-Pacific (APAC) and the Rest of the World (RoW).

Report Includes

- 19 data tables and 71 additional tables
- An overview and analysis of the global markets for messenger RNA (mRNA)-based therapeutics
- Analyses of the global market trends, with revenue data from 2022 to 2024, estimates for 2025, and projected CAGRs through 2030
- Estimates of the size and revenue prospects for the global mRNA market, along with a market share analysis by disease type, indication, and region
- Facts and figures pertaining to market dynamics, opportunities and deterrents, technological advances, regulations and the impacts of macroeconomic variables
- Insights derived from Porter's Five Forces model, global supply chain and PESTLE analyses
- Patent analysis, featuring key granted and published patents
- Overview of the sustainability trends and ESG developments in the industry, with emphasis on the ESG practices followed by leading companies, their ESG ratings and consumer attitudes
- Analysis of the industry structure, including companies' market shares and rankings, strategic alliances, M&A activity and a venture funding outlook

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scott-international.com

www.scott-international.com

- Profiles of the leading companies, including Moderna Inc., Pfizer Inc., BioNTech SE, Merck & Co., and Sanofi

Executive Summary

Summary:

The global market for mRNA therapeutics was valued at \$7.71 billion in 2025 and is forecast to remain stable or slightly decline to \$7.69 billion by the end of 2030, at a compound annual growth rate (CAGR) of -0.04% during the forecast period of 2025 to 2030.

Therapies using messenger ribonucleic acid, or mRNA, have immense potential for treating chronic diseases. Vaccines incorporating mRNA provide several advantages over DNA vaccines in manufacturing, distribution and safety. There is a demand for vaccines and treatments using mRNA because of their encouraging results in human clinical trials. The market is expanding due to increased clinical trials and the global proliferation of stem cell therapies. Governments, academic institutions and biotech and pharma companies are concentrating on detecting infectious and rare diseases. The global market for mRNA therapeutics market presents a multibillion-dollar opportunity for vaccines and other therapies.

COVID-19 mRNA-based vaccines are currently available, and research continues to find new methods for preventing and treating infections and illnesses. Essential for many bodily functions, mRNA instructs the body's cells to produce proteins. Essentially, mRNA participates in biological processes within our bodies to potentially treat diseases and stop infections.

Table of Contents:

Table of Contents
Chapter 1 Executive Summary
Market Outlook
Scope of Report
Market Summary
Market Growth Factors
Emerging Technologies
COVID mRNA Vaccines
Regional Analysis
Conclusion
Chapter 2 Market Overview
Technology Background
Evolution of RNA Therapeutics
DNA Therapeutics vs. RNA Therapeutics
RNA Therapeutics
mRNA as Therapeutics
Regulatory Agency-Approved mRNA Vaccines
Porter's Five Forces Analysis
Potential for New Entrants
Bargaining Power of Suppliers
Bargaining Power of Buyers
Threat of Substitute Products or Services
Industry Competition
Impact of U.S. Tariffs on the mRNA Therapeutics Market
Conclusion
Chapter 3 Market Dynamics

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- Overview
- Market Drivers
 - Rising Numbers of Pandemics and Epidemics
 - Awareness of the Need for Vaccinations
 - Investments in mRNA Therapeutics Research
- Market Restraints
 - Limitations of mRNA Vaccines
 - Production and Logistical Hurdles
- Market Opportunities
 - Personalized Cancer Vaccines
 - Potential of mRNA Drugs to Treat Various Diseases
- Chapter 4 Regulatory Landscape
 - Regulatory Scenario
 - Overview of Regulatory Bodies
 - Guidelines and Standards for mRNA Vaccines
 - Preclinical and Clinical Evaluation
 - Manufacturing and Post-Marketing Surveillance
 - Continual Monitoring and Risk Management
- Chapter 5 Pipeline and Clinical Trial Analysis
 - Takeaways
 - mRNA Vaccines
- Chapter 6 Market Segmentation Analysis
 - Segmentation Breakdown
 - Market Breakdown by Disease Type
 - Takeaways
 - COVID mRNA Vaccines
 - Non-COVID mRNA Vaccines and Therapeutics
 - Market Breakdown by Indication
 - Cancer
 - Infectious Diseases
 - Rare Diseases
 - Others
 - Geographic Breakdown
 - Market Breakdown, by Region
 - Takeaways
 - North America
 - Europe
 - Asia-Pacific
 - Rest of the World
- Chapter 7 Emerging Technologies and Developments
 - Emerging Technologies in mRNA Therapeutics
 - Nanoparticles
 - Modified mRNA
 - Automated mRNA Synthesis Kits
 - Bio Platforms
 - Artificial Intelligence
 - AI Developments at mRNA Therapeutics Companies

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Chapter 8 Patent Analysis
Takeaways
mRNA Publications
List of Patents
Chapter 9 Sustainability in the mRNA Therapeutics Industry: An ESG Perspective
Sustainability in the mRNA Therapeutics Industry
ESG Risk Ratings
ESG Performance Analysis
Environmental Performance
Social Performance
Governance Performance
Concluding Remarks from BCC Research
Chapter 10 Competitive Intelligence
Takeaways
Leading Companies in the mRNA Therapeutics Market, 2024
Strategic Analysis
Collaborations and Partnerships
Regulatory Approvals
Clinical Trials Data
Funding and Grants
Chapter 11 Appendix
Methodology
Abbreviations
Sources
Company Profiles
ARCTURUS THERAPEUTICS INC.
ASTRAZENECA
BIOCINA
BIONTECH SE
CUREVAC SE
ETHRIS GMBH
GENNOVA BIOPHARMACEUTICALS LTD.
GSK PLC.
IMMORNA (HANGZHOU) BIOTECHNOLOGY CO. LTD.
MERCK & CO. INC.
MODERNA INC.
NUTCRACKER THERAPEUTICS INC.
PFIZER INC.
PROVIDENCE THERAPEUTICS
SANOFI
STRAND THERAPEUTICS INC.

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

mRNA: Therapeutics and Global Markets

Market Research Report | 2025-09-10 | 131 pages | BCC Research

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User License	\$4650.00
	2-5 Users License	\$5580.00
	Site License	\$6696.00
	Enterprise License	\$8035.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-06-09"/>
		Signature	

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

