

Lipid Nanoparticles Market By Type (Solid Lipid Nanoparticles, Nanostructured Lipid Carriers, Others), By Application (Therapeutics, Research) By End User (Pharmaceutical and Biotechnology Companies, Academic and Research Institutes, Others): Global Opportunity Analysis and Industry Forecast, 2024-2033

Market Report | 2024-07-01 | 220 pages | Allied Market Research

AVAILABLE LICENSES:

- Cloud Access License \$2389.50
- Business User License \$5157.00
- Enterprise License \$6670.80

Report description:

The global lipid nanoparticles market was valued at \$0.9 billion in 2023, and is projected to reach \$3.1 billion by 2033, growing at a CAGR of 13.1% from 2024 to 2033

Lipid nanoparticles (LNPs) are nanoscale particles ranging from 10 to 1000 nanometers in diameter, primarily composed of lipids. They are designed to encapsulate therapeutic agents such as drugs, vaccines, and genetic materials, protecting them from degradation and enhancing their delivery and efficacy. LNPs can mimic the structure of biological membranes, making them biocompatible and capable of efficiently interacting with and penetrating cells. Their lipid composition typically includes phospholipids, cholesterol, and other lipid molecules that aid in stabilizing the nanoparticle structure and controlling the release of the encapsulated cargo.

The growth of the lipid nanoparticles market is driven by rise in the prevalence of chronic diseases, such as cancer, diabetes, cardiovascular diseases, and neurological disorders, and surge in demand for advanced drug delivery systems. These conditions often require long-term treatment with drugs that have severe side effects when administered through traditional methods. LNPs offer a promising alternative by enabling targeted and sustained delivery of therapeutic agents, thereby reducing systemic side effects and improving patient compliance. In oncology, for instance, LNPs are used to deliver chemotherapeutic agents directly to tumor cells, minimizing damage to healthy tissues.

However, high cost associated with the production and development of LNP-based formulations, as the manufacturing process involves sophisticated technology and stringent quality control measures to ensure the stability and efficacy of the nanoparticles, leads to increased production costs which limit the market growth. On the contrary, advances in nanotechnology facilitated the development of lipid nanoparticles with enhanced stability, targeted delivery, and controlled release properties. This opened new

avenues for drug delivery, allowing for more effective and efficient therapeutic interventions. For instance, in January 2022, Pfizer Inc. and Acuitas Therapeutics, a company focused on developing lipid nanoparticle (LNP) delivery systems to enable messenger RNA (mRNA) -based therapeutics announced that they had entered into a development and option agreement under which Pfizer will have the option to license, on a non-exclusive basis, Acuitas' LNP technology for up to 10 targets for vaccine or therapeutic development.

The lipid nanoparticles market analysis is segmented into type, application, end user, and region. Depending on type, the market is categorized into solid lipid nanoparticles, nanostructured lipid carriers, and others. By application, it is bifurcated into therapeutics and research. As per end user, the market is classified into pharmaceutical & biotechnology companies, academic & research institutes, and others. Region wise, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA. Key Findings

By type, the solid lipid nanoparticles segment held the highest market share in 2023. □

According to end user, the pharmaceutical & biotechnology companies have been the largest shareholder in the market in 2023. Region wise, North America dominated the lipid nanoparticles market in 2023.

The major players operating in the lipid nanoparticles market include ABP Biosciences, LLC., Merck KGaA, Cytiva, CD Bioparticles, CordenPharma, Precigenome LLC., Beam Therapeutics, Acuitas Therapeutics, GENEVANT SCIENCES CORPORATION, and Helix Biotech, Inc. Other players in lipid nanoparticles market includes Arbutus Biopharma, and Croda International Plc. These players have adopted several strategies, including mergers & acquisitions, collaborations, product innovation & diversification, and partnerships, to maintain their foothold in the market.

Additional benefits you will get with this purchase are:

- Quarterly Update and* (only available with a corporate license, on listed price)
- 5 additional Company Profile of client Choice pre- or Post-purchase, as a free update.
- Free Upcoming Version on the Purchase of Five and Enterprise User License.
- 16 analyst hours of support* (post-purchase, if you find additional data requirements upon review of the report, you may receive support amounting to 16 analyst hours to solve questions, and post-sale queries)
- 15% Free Customization* (in case the scope or segment of the report does not match your requirements, 15% is equivalent to 3 working days of free work, applicable once)
- Free data Pack on the Five and Enterprise User License. (Excel version of the report)
- Free Updated report if the report is 6-12 months old or older.
- 24-hour priority response*
- Free Industry updates and white papers.

Possible Customization with this report (with additional cost and timeline, please talk to the sales executive to know more)

- Regulatory Guidelines
- Additional company profiles with specific to client's interest
- Additional country or region analysis- market size and forecast
- Expanded list for Company Profiles
- Historic market data
- Key player details (including location, contact details, supplier/vendor network etc. in excel format)

Key Market Segments

By Type

- Solid Lipid Nanoparticles
- Nanostructured Lipid Carriers
- Others

Scotts International, EU Vat number: PL 6772247784

By Application

- Therapeutics
- Research

By End User

- Pharmaceutical and Biotechnology Companies
- Academic and Research Institutes
- Others

By Region

- North America
- U.S.
- Canada
- Mexico
- Europe
- Germany
- France
- UK
- Italy
- Spain
- Rest of Europe
- Asia-Pacific
- Japan
- China
- India
- Australia
- South Korea
- Rest of Asia-Pacific
- LAMEA
- Brazil
- Saudi Arabia
- South Africa
- Rest of LAMEA
- Key Market Players
- ABP Biosciences, LLC.
- Merck KGaA
- Cytiva
- CD Bioparticles
- CordenPharma
- Precigenome LLC.
- Beam Therapeutics
- Acuitas Therapeutics.
- Helix Biotech, Inc.
- Genevant Sciences Corporation

Table of Contents:

CHAPTER 1: INTRODUCTION

- 1.1. Report Description
- 1.2. Key Market Segments

Scotts International. EU Vat number: PL 6772247784

- 1.3. Key Benefits
- 1.4. Research Methodology
- 1.4.1. Primary Research
- 1.4.2. Secondary Research
- 1.4.3. Analyst Tools and Models

CHAPTER 2: EXECUTIVE SUMMARY

2.1. CXO Perspective

CHAPTER 3: MARKET LANDSCAPE

- 3.1. Market Definition and Scope
- 3.2. Key Findings
- 3.2.1. Top Investment Pockets
- 3.2.2. Top Winning Strategies
- 3.3. Porter's Five Forces Analysis
- 3.3.1. Bargaining Power of Suppliers
- 3.3.2. Threat of New Entrants
- 3.3.3. Threat of Substitutes
- 3.3.4. Competitive Rivalry
- 3.3.5. Bargaining Power among Buyers
- 3.4. Market Dynamics
- 3.4.1. Drivers
- 3.4.2. Restraints
- 3.4.3. Opportunities

CHAPTER 4: MEDICAL DISPOSABLE PRODUCTS MARKET, BY PRODUCT

- 4.1. Market Overview
- 4.1.1 Market Size and Forecast, By Product
- 4.2. Wound Management Products
- 4.2.1. Key Market Trends, Growth Factors and Opportunities
- 4.2.2. Market Size and Forecast, By Region
- 4.2.3. Market Share Analysis, By Country
- 4.3. Drug Delivery Products
- 4.3.1. Key Market Trends, Growth Factors and Opportunities
- 4.3.2. Market Size and Forecast, By Region
- 4.3.3. Market Share Analysis, By Country
- 4.4. Diagnostic And Laboratory Disposables
- 4.4.1. Key Market Trends, Growth Factors and Opportunities
- 4.4.2. Market Size and Forecast, By Region
- 4.4.3. Market Share Analysis, By Country
- 4.5. Dialysis Disposables
- 4.5.1. Key Market Trends, Growth Factors and Opportunities
- 4.5.2. Market Size and Forecast, By Region
- 4.5.3. Market Share Analysis, By Country
- 4.6. Incontinence Products
- 4.6.1. Key Market Trends, Growth Factors and Opportunities
- 4.6.2. Market Size and Forecast, By Region
- 4.6.3. Market Share Analysis, By Country
- 4.7. Respiratory Supplies
- 4.7.1. Key Market Trends, Growth Factors and Opportunities

Scotts International, EU Vat number: PL 6772247784

- 4.7.2. Market Size and Forecast, By Region
- 4.7.3. Market Share Analysis, By Country
- 4.8. Sterilization Supplies
- 4.8.1. Key Market Trends, Growth Factors and Opportunities
- 4.8.2. Market Size and Forecast, By Region
- 4.8.3. Market Share Analysis, By Country
- 4.9. Non-woven Disposables
- 4.9.1. Key Market Trends, Growth Factors and Opportunities
- 4.9.2. Market Size and Forecast, By Region
- 4.9.3. Market Share Analysis, By Country
- 4.10. Disposable Masks
- 4.10.1. Key Market Trends, Growth Factors and Opportunities
- 4.10.2. Market Size and Forecast, By Region
- 4.10.3. Market Share Analysis, By Country
- 4.11. Disposable Eye Gear
- 4.11.1. Key Market Trends, Growth Factors and Opportunities
- 4.11.2. Market Size and Forecast, By Region
- 4.11.3. Market Share Analysis, By Country
- 4.12. Disposable Gloves
- 4.12.1. Key Market Trends, Growth Factors and Opportunities
- 4.12.2. Market Size and Forecast, By Region
- 4.12.3. Market Share Analysis, By Country
- 4.13. Hand Sanitizers
- 4.13.1. Key Market Trends, Growth Factors and Opportunities
- 4.13.2. Market Size and Forecast, By Region
- 4.13.3. Market Share Analysis, By Country
- 4.14. Others
- 4.14.1. Key Market Trends, Growth Factors and Opportunities
- 4.14.2. Market Size and Forecast, By Region
- 4.14.3. Market Share Analysis, By Country

CHAPTER 5: MEDICAL DISPOSABLE PRODUCTS MARKET, BY APPLICATION

- 5.1. Market Overview
- 5.1.1 Market Size and Forecast, By Application
- 5.2. Cardiovascular
- 5.2.1. Key Market Trends, Growth Factors and Opportunities
- 5.2.2. Market Size and Forecast, By Region
- 5.2.3. Market Share Analysis, By Country
- 5.3. Cerebrovascular
- 5.3.1. Key Market Trends, Growth Factors and Opportunities
- 5.3.2. Market Size and Forecast, By Region
- 5.3.3. Market Share Analysis, By Country
- 5.4. Ophthalmology
- 5.4.1. Key Market Trends, Growth Factors and Opportunities
- 5.4.2. Market Size and Forecast, By Region
- 5.4.3. Market Share Analysis, By Country
- 5.5. Gynecology
- 5.5.1. Key Market Trends, Growth Factors and Opportunities

Scotts International, EU Vat number: PL 6772247784

- 5.5.2. Market Size and Forecast, By Region
- 5.5.3. Market Share Analysis, By Country
- 5.6. Urology
- 5.6.1. Key Market Trends, Growth Factors and Opportunities
- 5.6.2. Market Size and Forecast, By Region
- 5.6.3. Market Share Analysis, By Country
- 5.7. Orthopedics
- 5.7.1. Key Market Trends, Growth Factors and Opportunities
- 5.7.2. Market Size and Forecast, By Region
- 5.7.3. Market Share Analysis, By Country
- 5.8. Others
- 5.8.1. Key Market Trends, Growth Factors and Opportunities
- 5.8.2. Market Size and Forecast, By Region
- 5.8.3. Market Share Analysis, By Country

CHAPTER 6: MEDICAL DISPOSABLE PRODUCTS MARKET, BY END USER

- 6.1. Market Overview
- 6.1.1 Market Size and Forecast, By End User
- 6.2. Hospitals
- 6.2.1. Key Market Trends, Growth Factors and Opportunities
- 6.2.2. Market Size and Forecast, By Region
- 6.2.3. Market Share Analysis, By Country
- 6.3. Ambulatory Surgery Centers
- 6.3.1. Key Market Trends, Growth Factors and Opportunities
- 6.3.2. Market Size and Forecast, By Region
- 6.3.3. Market Share Analysis, By Country
- 6.4. Others
- 6.4.1. Key Market Trends, Growth Factors and Opportunities
- 6.4.2. Market Size and Forecast, By Region
- 6.4.3. Market Share Analysis, By Country

CHAPTER 7: MEDICAL DISPOSABLE PRODUCTS MARKET, BY REGION

- 7.1. Market Overview
- 7.1.1 Market Size and Forecast, By Region
- 7.2. North America
- 7.2.1. Key Market Trends and Opportunities
- 7.2.2. Market Size and Forecast, By Product
- 7.2.3. Market Size and Forecast, By Application
- 7.2.4. Market Size and Forecast, By End User
- 7.2.5. Market Size and Forecast, By Country
- 7.2.6. U.S. Medical Disposable Products Market
- 7.2.6.1. Market Size and Forecast, By Product
- 7.2.6.2. Market Size and Forecast, By Application
- 7.2.6.3. Market Size and Forecast, By End User
- 7.2.7. Canada Medical Disposable Products Market
- 7.2.7.1. Market Size and Forecast, By Product
- 7.2.7.2. Market Size and Forecast, By Application
- 7.2.7.3. Market Size and Forecast, By End User
- 7.2.8. Mexico Medical Disposable Products Market

Scotts International. EU Vat number: PL 6772247784

- 7.2.8.1. Market Size and Forecast, By Product
- 7.2.8.2. Market Size and Forecast, By Application
- 7.2.8.3. Market Size and Forecast, By End User
- 7.3. Europe
- 7.3.1. Key Market Trends and Opportunities
- 7.3.2. Market Size and Forecast, By Product
- 7.3.3. Market Size and Forecast, By Application
- 7.3.4. Market Size and Forecast, By End User
- 7.3.5. Market Size and Forecast, By Country
- 7.3.6. Germany Medical Disposable Products Market
- 7.3.6.1. Market Size and Forecast, By Product
- 7.3.6.2. Market Size and Forecast, By Application
- 7.3.6.3. Market Size and Forecast, By End User
- 7.3.7. France Medical Disposable Products Market
- 7.3.7.1. Market Size and Forecast, By Product
- 7.3.7.2. Market Size and Forecast, By Application
- 7.3.7.3. Market Size and Forecast, By End User
- 7.3.8. UK Medical Disposable Products Market
- 7.3.8.1. Market Size and Forecast, By Product
- 7.3.8.2. Market Size and Forecast, By Application
- 7.3.8.3. Market Size and Forecast, By End User
- 7.3.9. Italy Medical Disposable Products Market
- 7.3.9.1. Market Size and Forecast, By Product
- 7.3.9.2. Market Size and Forecast, By Application
- 7.3.9.3. Market Size and Forecast, By End User
- 7.3.10. Spain Medical Disposable Products Market
- 7.3.10.1. Market Size and Forecast, By Product
- 7.3.10.2. Market Size and Forecast, By Application
- 7.3.10.3. Market Size and Forecast, By End User
- 7.3.11. Rest of Europe Medical Disposable Products Market
- 7.3.11.1. Market Size and Forecast, By Product
- 7.3.11.2. Market Size and Forecast, By Application
- 7.3.11.3. Market Size and Forecast, By End User
- 7.4. Asia-Pacific
- 7.4.1. Key Market Trends and Opportunities
- 7.4.2. Market Size and Forecast, By Product
- 7.4.3. Market Size and Forecast, By Application
- 7.4.4. Market Size and Forecast, By End User
- 7.4.5. Market Size and Forecast, By Country
- 7.4.6. Japan Medical Disposable Products Market
- 7.4.6.1. Market Size and Forecast, By Product
- 7.4.6.2. Market Size and Forecast, By Application
- 7.4.6.3. Market Size and Forecast, By End User
- 7.4.7. China Medical Disposable Products Market
- 7.4.7.1. Market Size and Forecast, By Product
- 7.4.7.2. Market Size and Forecast, By Application
- 7.4.7.3. Market Size and Forecast, By End User

Scotts International, EU Vat number: PL 6772247784

- 7.4.8. India Medical Disposable Products Market
- 7.4.8.1. Market Size and Forecast, By Product
- 7.4.8.2. Market Size and Forecast, By Application
- 7.4.8.3. Market Size and Forecast, By End User
- 7.4.9. Australia Medical Disposable Products Market
- 7.4.9.1. Market Size and Forecast, By Product
- 7.4.9.2. Market Size and Forecast, By Application
- 7.4.9.3. Market Size and Forecast, By End User
- 7.4.10. South Korea Medical Disposable Products Market
- 7.4.10.1. Market Size and Forecast, By Product
- 7.4.10.2. Market Size and Forecast, By Application
- 7.4.10.3. Market Size and Forecast, By End User
- 7.4.11. Rest of Asia-Pacific Medical Disposable Products Market
- 7.4.11.1. Market Size and Forecast, By Product
- 7.4.11.2. Market Size and Forecast, By Application
- 7.4.11.3. Market Size and Forecast, By End User
- 7.5. LAMEA
- 7.5.1. Key Market Trends and Opportunities
- 7.5.2. Market Size and Forecast, By Product
- 7.5.3. Market Size and Forecast, By Application
- 7.5.4. Market Size and Forecast, By End User
- 7.5.5. Market Size and Forecast, By Country
- 7.5.6. Brazil Medical Disposable Products Market
- 7.5.6.1. Market Size and Forecast, By Product
- 7.5.6.2. Market Size and Forecast, By Application
- 7.5.6.3. Market Size and Forecast, By End User
- 7.5.7. Saudi Arabia Medical Disposable Products Market
- 7.5.7.1. Market Size and Forecast, By Product
- 7.5.7.2. Market Size and Forecast, By Application
- 7.5.7.3. Market Size and Forecast, By End User
- 7.5.8. South Africa Medical Disposable Products Market
- 7.5.8.1. Market Size and Forecast, By Product
- 7.5.8.2. Market Size and Forecast, By Application
- 7.5.8.3. Market Size and Forecast, By End User
- 7.5.9. Rest of LAMEA Medical Disposable Products Market
- 7.5.9.1. Market Size and Forecast, By Product
- 7.5.9.2. Market Size and Forecast, By Application
- 7.5.9.3. Market Size and Forecast, By End User

CHAPTER 8: COMPETITIVE LANDSCAPE

- 8.1. Introduction
- 8.2. Top Winning Strategies
- 8.3. Product Mapping of Top 10 Player
- 8.4. Competitive Dashboard
- 8.5. Competitive Heatmap
- 8.6. Top Player Positioning, 2023

CHAPTER 9: COMPANY PROFILES

9.1. Medline Industries, Inc.

Scotts International, EU Vat number: PL 6772247784

- 9.1.1. Company Overview
- 9.1.2. Key Executives
- 9.1.3. Company Snapshot
- 9.1.4. Operating Business Segments
- 9.1.5. Product Portfolio
- 9.1.6. Business Performance
- 9.1.7. Key Strategic Moves and Developments
- 9.2. Smith+Nephew
- 9.2.1. Company Overview
- 9.2.2. Key Executives
- 9.2.3. Company Snapshot
- 9.2.4. Operating Business Segments
- 9.2.5. Product Portfolio
- 9.2.6. Business Performance
- 9.2.7. Key Strategic Moves and Developments
- 9.3. Bayer AG
- 9.3.1. Company Overview
- 9.3.2. Key Executives
- 9.3.3. Company Snapshot
- 9.3.4. Operating Business Segments
- 9.3.5. Product Portfolio
- 9.3.6. Business Performance
- 9.3.7. Key Strategic Moves and Developments
- 9.4. 3M
- 9.4.1. Company Overview
- 9.4.2. Key Executives
- 9.4.3. Company Snapshot
- 9.4.4. Operating Business Segments
- 9.4.5. Product Portfolio
- 9.4.6. Business Performance
- 9.4.7. Key Strategic Moves and Developments
- 9.5. Becton Dickinson And Company
- 9.5.1. Company Overview
- 9.5.2. Key Executives
- 9.5.3. Company Snapshot
- 9.5.4. Operating Business Segments
- 9.5.5. Product Portfolio
- 9.5.6. Business Performance
- 9.5.7. Key Strategic Moves and Developments
- 9.6. Cardinal Health
- 9.6.1. Company Overview
- 9.6.2. Key Executives
- 9.6.3. Company Snapshot
- 9.6.4. Operating Business Segments
- 9.6.5. Product Portfolio
- 9.6.6. Business Performance
- 9.6.7. Key Strategic Moves and Developments

Scotts International, EU Vat number: PL 6772247784

- 9.7. B. Braun SE
- 9.7.1. Company Overview
- 9.7.2. Key Executives
- 9.7.3. Company Snapshot
- 9.7.4. Operating Business Segments
- 9.7.5. Product Portfolio
- 9.7.6. Business Performance
- 9.7.7. Key Strategic Moves and Developments
- 9.8. Boston Scientific Corporation
- 9.8.1. Company Overview
- 9.8.2. Key Executives
- 9.8.3. Company Snapshot
- 9.8.4. Operating Business Segments
- 9.8.5. Product Portfolio
- 9.8.6. Business Performance
- 9.8.7. Key Strategic Moves and Developments
- 9.9. Narang Medical Limited
- 9.9.1. Company Overview
- 9.9.2. Key Executives
- 9.9.3. Company Snapshot
- 9.9.4. Operating Business Segments
- 9.9.5. Product Portfolio
- 9.9.6. Business Performance
- 9.9.7. Key Strategic Moves and Developments
- 9.10. Terumo Corporation
- 9.10.1. Company Overview
- 9.10.2. Key Executives
- 9.10.3. Company Snapshot
- 9.10.4. Operating Business Segments
- 9.10.5. Product Portfolio
- 9.10.6. Business Performance
- 9.10.7. Key Strategic Moves and Developments



To place an Order with Scotts International:

☐ - Complete the relevant blank fields and sign

☐ - Print this form

Lipid Nanoparticles Market By Type (Solid Lipid Nanoparticles, Nanostructured Lipid Carriers, Others), By Application (Therapeutics, Research) By End User (Pharmaceutical and Biotechnology Companies, Academic and Research Institutes, Others): Global Opportunity Analysis and Industry Forecast, 2024-2033

Market Report | 2024-07-01 | 220 pages | Allied Market Research

☐ - Send as a scar	ned email to support@scotts-intern	ational.com		
ORDER FORM:				
Select license	License			Price
	Cloud Access License			\$2389.50
	Business User License			\$5157.00
	Enterprise License			\$6670.80
			VA	Γ
			Tota	I
	vant license option. For any questions plo at 23% for Polish based companies, indi			
Email*		Phone*		
First Name*		Last Name*		
Job title*				
Company Name*		EU Vat / Tax ID / NIP number*		
Address*		City*		
Zip Code*		Country*		

Scotts International. EU Vat number: PL 6772247784

Date	2025-05-04
Signature	