

# Global Lipid Nanoparticle CDMO Market 2026 by Company, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Lipid Nanoparticle CDMO market size was valued at US\$ 763 million in 2025 and is forecast to a readjusted size of US\$ 1163 million by 2032 with a CAGR of 6.2% during review period.

Lipid Nanoparticle CDMO refers to a specialized contract research and manufacturing service dedicated to supporting biopharmaceutical companies, biotech startups, and research institutions in the full lifecycle development and production of lipid nanoparticles—the gold-standard delivery vehicles for nucleic acid therapeutics including mRNA vaccines, siRNA gene silencing therapies, and CRISPR-based gene editing platforms.

The Lipid Nanoparticle CDMO industry is trending toward end-to-end integrated R&D-to-commercial services, automated continuous manufacturing, novel ionizable lipid development, and digital quality control; key opportunities stem from surging mRNA/siRNA/gene therapy pipelines, growing biotech outsourcing demand, and expansion into oncology and rare disease treatments, while main challenges include strict cGMP regulations, limited high-purity lipid supply, talent shortages, high capacity investment costs, and IP constraints for proprietary lipid formulations.

This report is a detailed and comprehensive analysis for global Lipid Nanoparticle CDMO market. Both quantitative and qualitative analyses are presented by company, 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 Lipid Nanoparticle CDMO market size and forecasts, in consumption value (\$ Million), 2021-2032

Global Lipid Nanoparticle CDMO market size and forecasts by region and country, in consumption value (\$ Million), 2021-2032

Global Lipid Nanoparticle CDMO market size and forecasts, by Type and by Application, in consumption value (\$ Million), 2021-2032

Global Lipid Nanoparticle CDMO market shares of main players, in revenue (\$ Million), 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 Lipid Nanoparticle CDMO

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 Lipid Nanoparticle CDMO market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include GenScript, Creative Biolabs, Merck, Cytiva, WuXi STA, Carcell, Nippon Fine Chemical, Detai Biotechnology, MicroNano Biologics, Precigenome, etc.

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

### **Market segmentation**

Lipid Nanoparticle CDMO 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. This analysis can help you expand your business by targeting qualified niche markets.

#### **Market segment by Type**

Formulation Development

cGMP Manufacturing

Others

Market segment by Service Scope & Project Stage

Preclinical Development CDMO

Clinical Trial CDMO

Commercial Manufacturing CDMO

Market segment by Manufacturing Technology

Batch Processing CDMO

Continuous Flow CDMO

Aseptic Fill-Finish Integrated CDMO

Market segment by Application

Gene Therapy

Vaccine Development

Cancer Treatment

Market segment by players, this report covers

GenScript

Creative Biolabs

Merck

Cytiva

WuXi STA

Carcell

Nippon Fine Chemical

Detai Biotechnology

MicroNano Biologics

Precigenome

Evonik

Lipoid

Helix Biotech

FUJIFILM Holdings

Ascendia Pharmaceuticals

Catalent

Polymun Scientific

Patheon

Biomay

Pace Analytical

CordenPharma

Vernal Biosciences

Lonza

Market segment by regions, regional analysis covers  
North America (United States, Canada and Mexico)  
Europe (Germany, France, UK, Russia, Italy and Rest of Europe)  
Asia-Pacific (China, Japan, South Korea, India, Southeast Asia and Rest of Asia-Pacific)  
South America (Brazil, Rest of South America)  
Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

**The content of the study subjects, includes a total of 13 chapters:**

Chapter 1, to describe Lipid Nanoparticle CDMO product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Lipid Nanoparticle CDMO, with revenue, gross margin, and global market share of Lipid Nanoparticle CDMO from 2021 to 2026.

Chapter 3, the Lipid Nanoparticle CDMO competitive situation, revenue, and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and by Application, with consumption value and growth rate by Type, by Application, from 2021 to 2032.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2021 to 2026. and Lipid Nanoparticle CDMO market forecast, by regions, by Type and by Application, with consumption value, from 2027 to 2032.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Lipid Nanoparticle CDMO.

Chapter 13, to describe Lipid Nanoparticle CDMO research findings and conclusion.

## Contents

### 1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Classification of Lipid Nanoparticle CDMO by Type

1.3.1 Overview: Global Lipid Nanoparticle CDMO Market Size by Type: 2021 Versus 2025 Versus 2032

1.3.2 Global Lipid Nanoparticle CDMO Consumption Value Market Share by Type in 2025

1.3.3 Formulation Development

1.3.4 cGMP Manufacturing

1.3.5 Others

1.4 Classification of Lipid Nanoparticle CDMO by Service Scope & Project Stage

1.4.1 Overview: Global Lipid Nanoparticle CDMO Market Size by Service Scope & Project Stage: 2021 Versus 2025 Versus 2032

1.4.2 Global Lipid Nanoparticle CDMO Consumption Value Market Share by Service Scope & Project Stage in 2025

1.4.3 Preclinical Development CDMO

1.4.4 Clinical Trial CDMO

1.4.5 Commercial Manufacturing CDMO

1.5 Classification of Lipid Nanoparticle CDMO by Manufacturing Technology

1.5.1 Overview: Global Lipid Nanoparticle CDMO Market Size by Manufacturing Technology: 2021 Versus 2025 Versus 2032

1.5.2 Global Lipid Nanoparticle CDMO Consumption Value Market Share by Manufacturing Technology in 2025

1.5.3 Batch Processing CDMO

1.5.4 Continuous Flow CDMO

1.5.5 Aseptic Fill-Finish Integrated CDMO

1.6 Global Lipid Nanoparticle CDMO Market by Application

1.6.1 Overview: Global Lipid Nanoparticle CDMO Market Size by Application: 2021 Versus 2025 Versus 2032

1.6.2 Gene Therapy

1.6.3 Vaccine Development

1.6.4 Cancer Treatment

1.7 Global Lipid Nanoparticle CDMO Market Size & Forecast

1.8 Global Lipid Nanoparticle CDMO Market Size and Forecast by Region

1.8.1 Global Lipid Nanoparticle CDMO Market Size by Region: 2021 VS 2025 VS 2032

- 1.8.2 Global Lipid Nanoparticle CDMO Market Size by Region, (2021-2032)
- 1.8.3 North America Lipid Nanoparticle CDMO Market Size and Prospect (2021-2032)
- 1.8.4 Europe Lipid Nanoparticle CDMO Market Size and Prospect (2021-2032)
- 1.8.5 Asia-Pacific Lipid Nanoparticle CDMO Market Size and Prospect (2021-2032)
- 1.8.6 South America Lipid Nanoparticle CDMO Market Size and Prospect (2021-2032)
- 1.8.7 Middle East & Africa Lipid Nanoparticle CDMO Market Size and Prospect (2021-2032)

## **2 COMPANY PROFILES**

### **2.1 GenScript**

- 2.1.1 GenScript Details
- 2.1.2 GenScript Major Business
- 2.1.3 GenScript Lipid Nanoparticle CDMO Product and Solutions
- 2.1.4 GenScript Lipid Nanoparticle CDMO Revenue, Gross Margin and Market Share (2021-2026)
- 2.1.5 GenScript Recent Developments and Future Plans

### **2.2 Creative Biolabs**

- 2.2.1 Creative Biolabs Details
- 2.2.2 Creative Biolabs Major Business
- 2.2.3 Creative Biolabs Lipid Nanoparticle CDMO Product and Solutions
- 2.2.4 Creative Biolabs Lipid Nanoparticle CDMO Revenue, Gross Margin and Market Share (2021-2026)
- 2.2.5 Creative Biolabs Recent Developments and Future Plans

### **2.3 Merck**

- 2.3.1 Merck Details
- 2.3.2 Merck Major Business
- 2.3.3 Merck Lipid Nanoparticle CDMO Product and Solutions
- 2.3.4 Merck Lipid Nanoparticle CDMO Revenue, Gross Margin and Market Share (2021-2026)
- 2.3.5 Merck Recent Developments and Future Plans

### **2.4 Cytiva**

- 2.4.1 Cytiva Details
- 2.4.2 Cytiva Major Business
- 2.4.3 Cytiva Lipid Nanoparticle CDMO Product and Solutions
- 2.4.4 Cytiva Lipid Nanoparticle CDMO Revenue, Gross Margin and Market Share (2021-2026)
- 2.4.5 Cytiva Recent Developments and Future Plans

### **2.5 WuXi STA**

- 2.5.1 WuXi STA Details
- 2.5.2 WuXi STA Major Business
- 2.5.3 WuXi STA Lipid Nanoparticle CDMO Product and Solutions
- 2.5.4 WuXi STA Lipid Nanoparticle CDMO Revenue, Gross Margin and Market Share (2021-2026)
- 2.5.5 WuXi STA Recent Developments and Future Plans
- 2.6 Carcell
  - 2.6.1 Carcell Details
  - 2.6.2 Carcell Major Business
  - 2.6.3 Carcell Lipid Nanoparticle CDMO Product and Solutions
  - 2.6.4 Carcell Lipid Nanoparticle CDMO Revenue, Gross Margin and Market Share (2021-2026)
  - 2.6.5 Carcell Recent Developments and Future Plans
- 2.7 Nippon Fine Chemical
  - 2.7.1 Nippon Fine Chemical Details
  - 2.7.2 Nippon Fine Chemical Major Business
  - 2.7.3 Nippon Fine Chemical Lipid Nanoparticle CDMO Product and Solutions
  - 2.7.4 Nippon Fine Chemical Lipid Nanoparticle CDMO Revenue, Gross Margin and Market Share (2021-2026)
  - 2.7.5 Nippon Fine Chemical Recent Developments and Future Plans
- 2.8 Detai Biotechnology
  - 2.8.1 Detai Biotechnology Details
  - 2.8.2 Detai Biotechnology Major Business
  - 2.8.3 Detai Biotechnology Lipid Nanoparticle CDMO Product and Solutions
  - 2.8.4 Detai Biotechnology Lipid Nanoparticle CDMO Revenue, Gross Margin and Market Share (2021-2026)
  - 2.8.5 Detai Biotechnology Recent Developments and Future Plans
- 2.9 MicroNano Biologics
  - 2.9.1 MicroNano Biologics Details
  - 2.9.2 MicroNano Biologics Major Business
  - 2.9.3 MicroNano Biologics Lipid Nanoparticle CDMO Product and Solutions
  - 2.9.4 MicroNano Biologics Lipid Nanoparticle CDMO Revenue, Gross Margin and Market Share (2021-2026)
  - 2.9.5 MicroNano Biologics Recent Developments and Future Plans
- 2.10 Precigenome
  - 2.10.1 Precigenome Details
  - 2.10.2 Precigenome Major Business
  - 2.10.3 Precigenome Lipid Nanoparticle CDMO Product and Solutions
  - 2.10.4 Precigenome Lipid Nanoparticle CDMO Revenue, Gross Margin and Market

## Share (2021-2026)

### 2.10.5 Precigenome Recent Developments and Future Plans

## 2.11 Evonik

### 2.11.1 Evonik Details

### 2.11.2 Evonik Major Business

### 2.11.3 Evonik Lipid Nanoparticle CDMO Product and Solutions

### 2.11.4 Evonik Lipid Nanoparticle CDMO Revenue, Gross Margin and Market Share (2021-2026)

### 2.11.5 Evonik Recent Developments and Future Plans

## 2.12 Lipoid

### 2.12.1 Lipoid Details

### 2.12.2 Lipoid Major Business

### 2.12.3 Lipoid Lipid Nanoparticle CDMO Product and Solutions

### 2.12.4 Lipoid Lipid Nanoparticle CDMO Revenue, Gross Margin and Market Share (2021-2026)

### 2.12.5 Lipoid Recent Developments and Future Plans

## 2.13 Helix Biotech

### 2.13.1 Helix Biotech Details

### 2.13.2 Helix Biotech Major Business

### 2.13.3 Helix Biotech Lipid Nanoparticle CDMO Product and Solutions

### 2.13.4 Helix Biotech Lipid Nanoparticle CDMO Revenue, Gross Margin and Market Share (2021-2026)

### 2.13.5 Helix Biotech Recent Developments and Future Plans

## 2.14 FUJIFILM Holdings

### 2.14.1 FUJIFILM Holdings Details

### 2.14.2 FUJIFILM Holdings Major Business

### 2.14.3 FUJIFILM Holdings Lipid Nanoparticle CDMO Product and Solutions

### 2.14.4 FUJIFILM Holdings Lipid Nanoparticle CDMO Revenue, Gross Margin and Market Share (2021-2026)

### 2.14.5 FUJIFILM Holdings Recent Developments and Future Plans

## 2.15 Ascendia Pharmaceuticals

### 2.15.1 Ascendia Pharmaceuticals Details

### 2.15.2 Ascendia Pharmaceuticals Major Business

### 2.15.3 Ascendia Pharmaceuticals Lipid Nanoparticle CDMO Product and Solutions

### 2.15.4 Ascendia Pharmaceuticals Lipid Nanoparticle CDMO Revenue, Gross Margin and Market Share (2021-2026)

### 2.15.5 Ascendia Pharmaceuticals Recent Developments and Future Plans

## 2.16 Catalent

### 2.16.1 Catalent Details

- 2.16.2 Catalent Major Business
- 2.16.3 Catalent Lipid Nanoparticle CDMO Product and Solutions
- 2.16.4 Catalent Lipid Nanoparticle CDMO Revenue, Gross Margin and Market Share (2021-2026)
- 2.16.5 Catalent Recent Developments and Future Plans
- 2.17 Polymun Scientific
  - 2.17.1 Polymun Scientific Details
  - 2.17.2 Polymun Scientific Major Business
  - 2.17.3 Polymun Scientific Lipid Nanoparticle CDMO Product and Solutions
  - 2.17.4 Polymun Scientific Lipid Nanoparticle CDMO Revenue, Gross Margin and Market Share (2021-2026)
  - 2.17.5 Polymun Scientific Recent Developments and Future Plans
- 2.18 Patheon
  - 2.18.1 Patheon Details
  - 2.18.2 Patheon Major Business
  - 2.18.3 Patheon Lipid Nanoparticle CDMO Product and Solutions
  - 2.18.4 Patheon Lipid Nanoparticle CDMO Revenue, Gross Margin and Market Share (2021-2026)
  - 2.18.5 Patheon Recent Developments and Future Plans
- 2.19 Biomay
  - 2.19.1 Biomay Details
  - 2.19.2 Biomay Major Business
  - 2.19.3 Biomay Lipid Nanoparticle CDMO Product and Solutions
  - 2.19.4 Biomay Lipid Nanoparticle CDMO Revenue, Gross Margin and Market Share (2021-2026)
  - 2.19.5 Biomay Recent Developments and Future Plans
- 2.20 Pace Analytical
  - 2.20.1 Pace Analytical Details
  - 2.20.2 Pace Analytical Major Business
  - 2.20.3 Pace Analytical Lipid Nanoparticle CDMO Product and Solutions
  - 2.20.4 Pace Analytical Lipid Nanoparticle CDMO Revenue, Gross Margin and Market Share (2021-2026)
  - 2.20.5 Pace Analytical Recent Developments and Future Plans
- 2.21 CordenPharma
  - 2.21.1 CordenPharma Details
  - 2.21.2 CordenPharma Major Business
  - 2.21.3 CordenPharma Lipid Nanoparticle CDMO Product and Solutions
  - 2.21.4 CordenPharma Lipid Nanoparticle CDMO Revenue, Gross Margin and Market Share (2021-2026)

- 2.21.5 CordenPharma Recent Developments and Future Plans
- 2.22 Vernal Biosciences
  - 2.22.1 Vernal Biosciences Details
  - 2.22.2 Vernal Biosciences Major Business
  - 2.22.3 Vernal Biosciences Lipid Nanoparticle CDMO Product and Solutions
  - 2.22.4 Vernal Biosciences Lipid Nanoparticle CDMO Revenue, Gross Margin and Market Share (2021-2026)
  - 2.22.5 Vernal Biosciences Recent Developments and Future Plans
- 2.23 Lonza
  - 2.23.1 Lonza Details
  - 2.23.2 Lonza Major Business
  - 2.23.3 Lonza Lipid Nanoparticle CDMO Product and Solutions
  - 2.23.4 Lonza Lipid Nanoparticle CDMO Revenue, Gross Margin and Market Share (2021-2026)
  - 2.23.5 Lonza Recent Developments and Future Plans

### **3 MARKET COMPETITION, BY PLAYERS**

- 3.1 Global Lipid Nanoparticle CDMO Revenue and Share by Players (2021-2026)
- 3.2 Market Share Analysis (2025)
  - 3.2.1 Market Share of Lipid Nanoparticle CDMO by Company Revenue
  - 3.2.2 Top 3 Lipid Nanoparticle CDMO Players Market Share in 2025
  - 3.2.3 Top 6 Lipid Nanoparticle CDMO Players Market Share in 2025
- 3.3 Lipid Nanoparticle CDMO Market: Overall Company Footprint Analysis
  - 3.3.1 Lipid Nanoparticle CDMO Market: Region Footprint
  - 3.3.2 Lipid Nanoparticle CDMO Market: Company Product Type Footprint
  - 3.3.3 Lipid Nanoparticle CDMO Market: Company Product Application Footprint
- 3.4 New Market Entrants and Barriers to Market Entry
- 3.5 Mergers, Acquisition, Agreements, and Collaborations

### **4 MARKET SIZE SEGMENT BY TYPE**

- 4.1 Global Lipid Nanoparticle CDMO Consumption Value and Market Share by Type (2021-2026)
- 4.2 Global Lipid Nanoparticle CDMO Market Forecast by Type (2027-2032)

### **5 MARKET SIZE SEGMENT BY APPLICATION**

- 5.1 Global Lipid Nanoparticle CDMO Consumption Value Market Share by Application

(2021-2026)

5.2 Global Lipid Nanoparticle CDMO Market Forecast by Application (2027-2032)

## **6 NORTH AMERICA**

6.1 North America Lipid Nanoparticle CDMO Consumption Value by Type (2021-2032)

6.2 North America Lipid Nanoparticle CDMO Market Size by Application (2021-2032)

6.3 North America Lipid Nanoparticle CDMO Market Size by Country

6.3.1 North America Lipid Nanoparticle CDMO Consumption Value by Country  
(2021-2032)

6.3.2 United States Lipid Nanoparticle CDMO Market Size and Forecast (2021-2032)

6.3.3 Canada Lipid Nanoparticle CDMO Market Size and Forecast (2021-2032)

6.3.4 Mexico Lipid Nanoparticle CDMO Market Size and Forecast (2021-2032)

## **7 EUROPE**

7.1 Europe Lipid Nanoparticle CDMO Consumption Value by Type (2021-2032)

7.2 Europe Lipid Nanoparticle CDMO Consumption Value by Application (2021-2032)

7.3 Europe Lipid Nanoparticle CDMO Market Size by Country

7.3.1 Europe Lipid Nanoparticle CDMO Consumption Value by Country (2021-2032)

7.3.2 Germany Lipid Nanoparticle CDMO Market Size and Forecast (2021-2032)

7.3.3 France Lipid Nanoparticle CDMO Market Size and Forecast (2021-2032)

7.3.4 United Kingdom Lipid Nanoparticle CDMO Market Size and Forecast  
(2021-2032)

7.3.5 Russia Lipid Nanoparticle CDMO Market Size and Forecast (2021-2032)

7.3.6 Italy Lipid Nanoparticle CDMO Market Size and Forecast (2021-2032)

## **8 ASIA-PACIFIC**

8.1 Asia-Pacific Lipid Nanoparticle CDMO Consumption Value by Type (2021-2032)

8.2 Asia-Pacific Lipid Nanoparticle CDMO Consumption Value by Application  
(2021-2032)

8.3 Asia-Pacific Lipid Nanoparticle CDMO Market Size by Region

8.3.1 Asia-Pacific Lipid Nanoparticle CDMO Consumption Value by Region  
(2021-2032)

8.3.2 China Lipid Nanoparticle CDMO Market Size and Forecast (2021-2032)

8.3.3 Japan Lipid Nanoparticle CDMO Market Size and Forecast (2021-2032)

8.3.4 South Korea Lipid Nanoparticle CDMO Market Size and Forecast (2021-2032)

8.3.5 India Lipid Nanoparticle CDMO Market Size and Forecast (2021-2032)

8.3.6 Southeast Asia Lipid Nanoparticle CDMO Market Size and Forecast (2021-2032)

8.3.7 Australia Lipid Nanoparticle CDMO Market Size and Forecast (2021-2032)

## **9 SOUTH AMERICA**

9.1 South America Lipid Nanoparticle CDMO Consumption Value by Type (2021-2032)

9.2 South America Lipid Nanoparticle CDMO Consumption Value by Application (2021-2032)

9.3 South America Lipid Nanoparticle CDMO Market Size by Country

9.3.1 South America Lipid Nanoparticle CDMO Consumption Value by Country (2021-2032)

9.3.2 Brazil Lipid Nanoparticle CDMO Market Size and Forecast (2021-2032)

9.3.3 Argentina Lipid Nanoparticle CDMO Market Size and Forecast (2021-2032)

## **10 MIDDLE EAST & AFRICA**

10.1 Middle East & Africa Lipid Nanoparticle CDMO Consumption Value by Type (2021-2032)

10.2 Middle East & Africa Lipid Nanoparticle CDMO Consumption Value by Application (2021-2032)

10.3 Middle East & Africa Lipid Nanoparticle CDMO Market Size by Country

10.3.1 Middle East & Africa Lipid Nanoparticle CDMO Consumption Value by Country (2021-2032)

10.3.2 Turkey Lipid Nanoparticle CDMO Market Size and Forecast (2021-2032)

10.3.3 Saudi Arabia Lipid Nanoparticle CDMO Market Size and Forecast (2021-2032)

10.3.4 UAE Lipid Nanoparticle CDMO Market Size and Forecast (2021-2032)

## **11 MARKET DYNAMICS**

11.1 Lipid Nanoparticle CDMO Market Drivers

11.2 Lipid Nanoparticle CDMO Market Restraints

11.3 Lipid Nanoparticle CDMO Trends Analysis

11.4 Porters Five Forces Analysis

11.4.1 Threat of New Entrants

11.4.2 Bargaining Power of Suppliers

11.4.3 Bargaining Power of Buyers

11.4.4 Threat of Substitutes

11.4.5 Competitive Rivalry

## **12 INDUSTRY CHAIN ANALYSIS**

- 12.1 Lipid Nanoparticle CDMO Industry Chain
- 12.2 Lipid Nanoparticle CDMO Upstream Analysis
- 12.3 Lipid Nanoparticle CDMO Midstream Analysis
- 12.4 Lipid Nanoparticle CDMO Downstream Analysis

## **13 RESEARCH FINDINGS AND CONCLUSION**

## **14 APPENDIX**

- 14.1 Methodology
- 14.2 Research Process and Data Source
- 14.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. Global Lipid Nanoparticle CDMO Consumption Value by Type, (USD Million), 2021 & 2025 & 2032

Table 2. Global Lipid Nanoparticle CDMO Consumption Value by Service Scope & Project Stage, (USD Million), 2021 & 2025 & 2032

Table 3. Global Lipid Nanoparticle CDMO Consumption Value by Manufacturing Technology, (USD Million), 2021 & 2025 & 2032

Table 4. Global Lipid Nanoparticle CDMO Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Table 5. Global Lipid Nanoparticle CDMO Consumption Value by Region (2021-2026) & (USD Million)

Table 6. Global Lipid Nanoparticle CDMO Consumption Value by Region (2027-2032) & (USD Million)

Table 7. GenScript Company Information, Head Office, and Major Competitors

Table 8. GenScript Major Business

Table 9. GenScript Lipid Nanoparticle CDMO Product and Solutions

Table 10. GenScript Lipid Nanoparticle CDMO Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 11. GenScript Recent Developments and Future Plans

Table 12. Creative Biolabs Company Information, Head Office, and Major Competitors

Table 13. Creative Biolabs Major Business

Table 14. Creative Biolabs Lipid Nanoparticle CDMO Product and Solutions

Table 15. Creative Biolabs Lipid Nanoparticle CDMO Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 16. Creative Biolabs Recent Developments and Future Plans

Table 17. Merck Company Information, Head Office, and Major Competitors

Table 18. Merck Major Business

Table 19. Merck Lipid Nanoparticle CDMO Product and Solutions

Table 20. Merck Lipid Nanoparticle CDMO Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 21. Cytiva Company Information, Head Office, and Major Competitors

Table 22. Cytiva Major Business

Table 23. Cytiva Lipid Nanoparticle CDMO Product and Solutions

Table 24. Cytiva Lipid Nanoparticle CDMO Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 25. Cytiva Recent Developments and Future Plans

Table 26. WuXi STA Company Information, Head Office, and Major Competitors

Table 27. WuXi STA Major Business

Table 28. WuXi STA Lipid Nanoparticle CDMO Product and Solutions

Table 29. WuXi STA Lipid Nanoparticle CDMO Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 30. WuXi STA Recent Developments and Future Plans

Table 31. Carcell Company Information, Head Office, and Major Competitors

Table 32. Carcell Major Business

Table 33. Carcell Lipid Nanoparticle CDMO Product and Solutions

Table 34. Carcell Lipid Nanoparticle CDMO Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 35. Carcell Recent Developments and Future Plans

Table 36. Nippon Fine Chemical Company Information, Head Office, and Major Competitors

Table 37. Nippon Fine Chemical Major Business

Table 38. Nippon Fine Chemical Lipid Nanoparticle CDMO Product and Solutions

Table 39. Nippon Fine Chemical Lipid Nanoparticle CDMO Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 40. Nippon Fine Chemical Recent Developments and Future Plans

Table 41. Detai Biotechnology Company Information, Head Office, and Major Competitors

Table 42. Detai Biotechnology Major Business

Table 43. Detai Biotechnology Lipid Nanoparticle CDMO Product and Solutions

Table 44. Detai Biotechnology Lipid Nanoparticle CDMO Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 45. Detai Biotechnology Recent Developments and Future Plans

Table 46. MicroNano Biologics Company Information, Head Office, and Major Competitors

Table 47. MicroNano Biologics Major Business

Table 48. MicroNano Biologics Lipid Nanoparticle CDMO Product and Solutions

Table 49. MicroNano Biologics Lipid Nanoparticle CDMO Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 50. MicroNano Biologics Recent Developments and Future Plans

Table 51. Precigenome Company Information, Head Office, and Major Competitors

Table 52. Precigenome Major Business

Table 53. Precigenome Lipid Nanoparticle CDMO Product and Solutions

Table 54. Precigenome Lipid Nanoparticle CDMO Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 55. Precigenome Recent Developments and Future Plans

- Table 56. Evonik Company Information, Head Office, and Major Competitors
- Table 57. Evonik Major Business
- Table 58. Evonik Lipid Nanoparticle CDMO Product and Solutions
- Table 59. Evonik Lipid Nanoparticle CDMO Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 60. Evonik Recent Developments and Future Plans
- Table 61. Lipoid Company Information, Head Office, and Major Competitors
- Table 62. Lipoid Major Business
- Table 63. Lipoid Lipid Nanoparticle CDMO Product and Solutions
- Table 64. Lipoid Lipid Nanoparticle CDMO Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 65. Lipoid Recent Developments and Future Plans
- Table 66. Helix Biotech Company Information, Head Office, and Major Competitors
- Table 67. Helix Biotech Major Business
- Table 68. Helix Biotech Lipid Nanoparticle CDMO Product and Solutions
- Table 69. Helix Biotech Lipid Nanoparticle CDMO Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 70. Helix Biotech Recent Developments and Future Plans
- Table 71. FUJIFILM Holdings Company Information, Head Office, and Major Competitors
- Table 72. FUJIFILM Holdings Major Business
- Table 73. FUJIFILM Holdings Lipid Nanoparticle CDMO Product and Solutions
- Table 74. FUJIFILM Holdings Lipid Nanoparticle CDMO Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 75. FUJIFILM Holdings Recent Developments and Future Plans
- Table 76. Ascendia Pharmaceuticals Company Information, Head Office, and Major Competitors
- Table 77. Ascendia Pharmaceuticals Major Business
- Table 78. Ascendia Pharmaceuticals Lipid Nanoparticle CDMO Product and Solutions
- Table 79. Ascendia Pharmaceuticals Lipid Nanoparticle CDMO Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 80. Ascendia Pharmaceuticals Recent Developments and Future Plans
- Table 81. Catalent Company Information, Head Office, and Major Competitors
- Table 82. Catalent Major Business
- Table 83. Catalent Lipid Nanoparticle CDMO Product and Solutions
- Table 84. Catalent Lipid Nanoparticle CDMO Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 85. Catalent Recent Developments and Future Plans
- Table 86. Polymun Scientific Company Information, Head Office, and Major Competitors

- Table 87. Polymun Scientific Major Business
- Table 88. Polymun Scientific Lipid Nanoparticle CDMO Product and Solutions
- Table 89. Polymun Scientific Lipid Nanoparticle CDMO Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 90. Polymun Scientific Recent Developments and Future Plans
- Table 91. Patheon Company Information, Head Office, and Major Competitors
- Table 92. Patheon Major Business
- Table 93. Patheon Lipid Nanoparticle CDMO Product and Solutions
- Table 94. Patheon Lipid Nanoparticle CDMO Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 95. Patheon Recent Developments and Future Plans
- Table 96. Biomay Company Information, Head Office, and Major Competitors
- Table 97. Biomay Major Business
- Table 98. Biomay Lipid Nanoparticle CDMO Product and Solutions
- Table 99. Biomay Lipid Nanoparticle CDMO Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 100. Biomay Recent Developments and Future Plans
- Table 101. Pace Analytical Company Information, Head Office, and Major Competitors
- Table 102. Pace Analytical Major Business
- Table 103. Pace Analytical Lipid Nanoparticle CDMO Product and Solutions
- Table 104. Pace Analytical Lipid Nanoparticle CDMO Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 105. Pace Analytical Recent Developments and Future Plans
- Table 106. CordenPharma Company Information, Head Office, and Major Competitors
- Table 107. CordenPharma Major Business
- Table 108. CordenPharma Lipid Nanoparticle CDMO Product and Solutions
- Table 109. CordenPharma Lipid Nanoparticle CDMO Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 110. CordenPharma Recent Developments and Future Plans
- Table 111. Vernal Biosciences Company Information, Head Office, and Major Competitors
- Table 112. Vernal Biosciences Major Business
- Table 113. Vernal Biosciences Lipid Nanoparticle CDMO Product and Solutions
- Table 114. Vernal Biosciences Lipid Nanoparticle CDMO Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 115. Vernal Biosciences Recent Developments and Future Plans
- Table 116. Lonza Company Information, Head Office, and Major Competitors
- Table 117. Lonza Major Business
- Table 118. Lonza Lipid Nanoparticle CDMO Product and Solutions

Table 119. Lonza Lipid Nanoparticle CDMO Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 120. Lonza Recent Developments and Future Plans

Table 121. Global Lipid Nanoparticle CDMO Revenue (USD Million) by Players (2021-2026)

Table 122. Global Lipid Nanoparticle CDMO Revenue Share by Players (2021-2026)

Table 123. Breakdown of Lipid Nanoparticle CDMO by Company Type (Tier 1, Tier 2, and Tier 3)

Table 124. Market Position of Players in Lipid Nanoparticle CDMO, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025

Table 125. Head Office of Key Lipid Nanoparticle CDMO Players

Table 126. Lipid Nanoparticle CDMO Market: Company Product Type Footprint

Table 127. Lipid Nanoparticle CDMO Market: Company Product Application Footprint

Table 128. Lipid Nanoparticle CDMO New Market Entrants and Barriers to Market Entry

Table 129. Lipid Nanoparticle CDMO Mergers, Acquisition, Agreements, and Collaborations

Table 130. Global Lipid Nanoparticle CDMO Consumption Value (USD Million) by Type (2021-2026)

Table 131. Global Lipid Nanoparticle CDMO Consumption Value Share by Type (2021-2026)

Table 132. Global Lipid Nanoparticle CDMO Consumption Value Forecast by Type (2027-2032)

Table 133. Global Lipid Nanoparticle CDMO Consumption Value by Application (2021-2026)

Table 134. Global Lipid Nanoparticle CDMO Consumption Value Forecast by Application (2027-2032)

Table 135. North America Lipid Nanoparticle CDMO Consumption Value by Type (2021-2026) & (USD Million)

Table 136. North America Lipid Nanoparticle CDMO Consumption Value by Type (2027-2032) & (USD Million)

Table 137. North America Lipid Nanoparticle CDMO Consumption Value by Application (2021-2026) & (USD Million)

Table 138. North America Lipid Nanoparticle CDMO Consumption Value by Application (2027-2032) & (USD Million)

Table 139. North America Lipid Nanoparticle CDMO Consumption Value by Country (2021-2026) & (USD Million)

Table 140. North America Lipid Nanoparticle CDMO Consumption Value by Country (2027-2032) & (USD Million)

Table 141. Europe Lipid Nanoparticle CDMO Consumption Value by Type (2021-2026)

& (USD Million)

Table 142. Europe Lipid Nanoparticle CDMO Consumption Value by Type (2027-2032)

& (USD Million)

Table 143. Europe Lipid Nanoparticle CDMO Consumption Value by Application (2021-2026) & (USD Million)

Table 144. Europe Lipid Nanoparticle CDMO Consumption Value by Application (2027-2032) & (USD Million)

Table 145. Europe Lipid Nanoparticle CDMO Consumption Value by Country (2021-2026) & (USD Million)

Table 146. Europe Lipid Nanoparticle CDMO Consumption Value by Country (2027-2032) & (USD Million)

Table 147. Asia-Pacific Lipid Nanoparticle CDMO Consumption Value by Type (2021-2026) & (USD Million)

Table 148. Asia-Pacific Lipid Nanoparticle CDMO Consumption Value by Type (2027-2032) & (USD Million)

Table 149. Asia-Pacific Lipid Nanoparticle CDMO Consumption Value by Application (2021-2026) & (USD Million)

Table 150. Asia-Pacific Lipid Nanoparticle CDMO Consumption Value by Application (2027-2032) & (USD Million)

Table 151. Asia-Pacific Lipid Nanoparticle CDMO Consumption Value by Region (2021-2026) & (USD Million)

Table 152. Asia-Pacific Lipid Nanoparticle CDMO Consumption Value by Region (2027-2032) & (USD Million)

Table 153. South America Lipid Nanoparticle CDMO Consumption Value by Type (2021-2026) & (USD Million)

Table 154. South America Lipid Nanoparticle CDMO Consumption Value by Type (2027-2032) & (USD Million)

Table 155. South America Lipid Nanoparticle CDMO Consumption Value by Application (2021-2026) & (USD Million)

Table 156. South America Lipid Nanoparticle CDMO Consumption Value by Application (2027-2032) & (USD Million)

Table 157. South America Lipid Nanoparticle CDMO Consumption Value by Country (2021-2026) & (USD Million)

Table 158. South America Lipid Nanoparticle CDMO Consumption Value by Country (2027-2032) & (USD Million)

Table 159. Middle East & Africa Lipid Nanoparticle CDMO Consumption Value by Type (2021-2026) & (USD Million)

Table 160. Middle East & Africa Lipid Nanoparticle CDMO Consumption Value by Type (2027-2032) & (USD Million)

Table 161. Middle East & Africa Lipid Nanoparticle CDMO Consumption Value by Application (2021-2026) & (USD Million)

Table 162. Middle East & Africa Lipid Nanoparticle CDMO Consumption Value by Application (2027-2032) & (USD Million)

Table 163. Middle East & Africa Lipid Nanoparticle CDMO Consumption Value by Country (2021-2026) & (USD Million)

Table 164. Middle East & Africa Lipid Nanoparticle CDMO Consumption Value by Country (2027-2032) & (USD Million)

Table 165. Global Key Players of Lipid Nanoparticle CDMO Upstream (Raw Materials)

Table 166. Global Lipid Nanoparticle CDMO Typical Customers

## List Of Figures

### LIST OF FIGURES

- Figure 1. Lipid Nanoparticle CDMO Picture
- Figure 2. Global Lipid Nanoparticle CDMO Consumption Value by Type, (USD Million), 2021 & 2025 & 2032
- Figure 3. Global Lipid Nanoparticle CDMO Consumption Value Market Share by Type in 2025
- Figure 4. Formulation Development
- Figure 5. cGMP Manufacturing
- Figure 6. Others
- Figure 7. Global Lipid Nanoparticle CDMO Consumption Value by Service Scope & Project Stage, (USD Million), 2021 & 2025 & 2032
- Figure 8. Global Lipid Nanoparticle CDMO Consumption Value Market Share by Service Scope & Project Stage in 2025
- Figure 9. Preclinical Development CDMO
- Figure 10. Clinical Trial CDMO
- Figure 11. Commercial Manufacturing CDMO
- Figure 12. Global Lipid Nanoparticle CDMO Consumption Value by Manufacturing Technology, (USD Million), 2021 & 2025 & 2032
- Figure 13. Global Lipid Nanoparticle CDMO Consumption Value Market Share by Manufacturing Technology in 2025
- Figure 14. Batch Processing CDMO
- Figure 15. Continuous Flow CDMO
- Figure 16. Aseptic Fill-Finish Integrated CDMO
- Figure 17. Global Lipid Nanoparticle CDMO Consumption Value by Application, (USD Million), 2021 & 2025 & 2032
- Figure 18. Lipid Nanoparticle CDMO Consumption Value Market Share by Application in 2025
- Figure 19. Gene Therapy Picture
- Figure 20. Vaccine Development Picture
- Figure 21. Cancer Treatment Picture
- Figure 22. Global Lipid Nanoparticle CDMO Consumption Value, (USD Million): 2021 & 2025 & 2032
- Figure 23. Global Lipid Nanoparticle CDMO Consumption Value and Forecast (2021-2032) & (USD Million)
- Figure 24. Global Market Lipid Nanoparticle CDMO Consumption Value (USD Million) Comparison by Region (2021 VS 2025 VS 2032)

Figure 25. Global Lipid Nanoparticle CDMO Consumption Value Market Share by Region (2021-2032)

Figure 26. Global Lipid Nanoparticle CDMO Consumption Value Market Share by Region in 2025

Figure 27. North America Lipid Nanoparticle CDMO Consumption Value (2021-2032) & (USD Million)

Figure 28. Europe Lipid Nanoparticle CDMO Consumption Value (2021-2032) & (USD Million)

Figure 29. Asia-Pacific Lipid Nanoparticle CDMO Consumption Value (2021-2032) & (USD Million)

Figure 30. South America Lipid Nanoparticle CDMO Consumption Value (2021-2032) & (USD Million)

Figure 31. Middle East & Africa Lipid Nanoparticle CDMO Consumption Value (2021-2032) & (USD Million)

Figure 32. Company Three Recent Developments and Future Plans

Figure 33. Global Lipid Nanoparticle CDMO Revenue Share by Players in 2025

Figure 34. Lipid Nanoparticle CDMO Market Share by Company Type (Tier 1, Tier 2, and Tier 3) in 2025

Figure 35. Market Share of Lipid Nanoparticle CDMO by Player Revenue in 2025

Figure 36. Top 3 Lipid Nanoparticle CDMO Players Market Share in 2025

Figure 37. Top 6 Lipid Nanoparticle CDMO Players Market Share in 2025

Figure 38. Global Lipid Nanoparticle CDMO Consumption Value Share by Type (2021-2026)

Figure 39. Global Lipid Nanoparticle CDMO Market Share Forecast by Type (2027-2032)

Figure 40. Global Lipid Nanoparticle CDMO Consumption Value Share by Application (2021-2026)

Figure 41. Global Lipid Nanoparticle CDMO Market Share Forecast by Application (2027-2032)

Figure 42. North America Lipid Nanoparticle CDMO Consumption Value Market Share by Type (2021-2032)

Figure 43. North America Lipid Nanoparticle CDMO Consumption Value Market Share by Application (2021-2032)

Figure 44. North America Lipid Nanoparticle CDMO Consumption Value Market Share by Country (2021-2032)

Figure 45. United States Lipid Nanoparticle CDMO Consumption Value (2021-2032) & (USD Million)

Figure 46. Canada Lipid Nanoparticle CDMO Consumption Value (2021-2032) & (USD Million)

Figure 47. Mexico Lipid Nanoparticle CDMO Consumption Value (2021-2032) & (USD Million)

Figure 48. Europe Lipid Nanoparticle CDMO Consumption Value Market Share by Type (2021-2032)

Figure 49. Europe Lipid Nanoparticle CDMO Consumption Value Market Share by Application (2021-2032)

Figure 50. Europe Lipid Nanoparticle CDMO Consumption Value Market Share by Country (2021-2032)

Figure 51. Germany Lipid Nanoparticle CDMO Consumption Value (2021-2032) & (USD Million)

Figure 52. France Lipid Nanoparticle CDMO Consumption Value (2021-2032) & (USD Million)

Figure 53. United Kingdom Lipid Nanoparticle CDMO Consumption Value (2021-2032) & (USD Million)

Figure 54. Russia Lipid Nanoparticle CDMO Consumption Value (2021-2032) & (USD Million)

Figure 55. Italy Lipid Nanoparticle CDMO Consumption Value (2021-2032) & (USD Million)

Figure 56. Asia-Pacific Lipid Nanoparticle CDMO Consumption Value Market Share by Type (2021-2032)

Figure 57. Asia-Pacific Lipid Nanoparticle CDMO Consumption Value Market Share by Application (2021-2032)

Figure 58. Asia-Pacific Lipid Nanoparticle CDMO Consumption Value Market Share by Region (2021-2032)

Figure 59. China Lipid Nanoparticle CDMO Consumption Value (2021-2032) & (USD Million)

Figure 60. Japan Lipid Nanoparticle CDMO Consumption Value (2021-2032) & (USD Million)

Figure 61. South Korea Lipid Nanoparticle CDMO Consumption Value (2021-2032) & (USD Million)

Figure 62. India Lipid Nanoparticle CDMO Consumption Value (2021-2032) & (USD Million)

Figure 63. Southeast Asia Lipid Nanoparticle CDMO Consumption Value (2021-2032) & (USD Million)

Figure 64. Australia Lipid Nanoparticle CDMO Consumption Value (2021-2032) & (USD Million)

Figure 65. South America Lipid Nanoparticle CDMO Consumption Value Market Share by Type (2021-2032)

Figure 66. South America Lipid Nanoparticle CDMO Consumption Value Market Share

by Application (2021-2032)

Figure 67. South America Lipid Nanoparticle CDMO Consumption Value Market Share by Country (2021-2032)

Figure 68. Brazil Lipid Nanoparticle CDMO Consumption Value (2021-2032) & (USD Million)

Figure 69. Argentina Lipid Nanoparticle CDMO Consumption Value (2021-2032) & (USD Million)

Figure 70. Middle East & Africa Lipid Nanoparticle CDMO Consumption Value Market Share by Type (2021-2032)

Figure 71. Middle East & Africa Lipid Nanoparticle CDMO Consumption Value Market Share by Application (2021-2032)

Figure 72. Middle East & Africa Lipid Nanoparticle CDMO Consumption Value Market Share by Country (2021-2032)

Figure 73. Turkey Lipid Nanoparticle CDMO Consumption Value (2021-2032) & (USD Million)

Figure 74. Saudi Arabia Lipid Nanoparticle CDMO Consumption Value (2021-2032) & (USD Million)

Figure 75. UAE Lipid Nanoparticle CDMO Consumption Value (2021-2032) & (USD Million)

Figure 76. Lipid Nanoparticle CDMO Market Drivers

Figure 77. Lipid Nanoparticle CDMO Market Restraints

Figure 78. Lipid Nanoparticle CDMO Market Trends

Figure 79. Porters Five Forces Analysis

Figure 80. Lipid Nanoparticle CDMO Industrial Chain

Figure 81. Methodology

Figure 82. Research Process and Data Source

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