

Global Fluorescent Nanoparticles Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

<https://marketpublishers.com/r/GDE52CD5A2DAEN.html>

Date: February 2026

Pages: 126

Price: US\$ 3,480.00 (Single User License)

ID: GDE52CD5A2DAEN

Abstracts

According to our (Global Info Research) latest study, the global Fluorescent Nanoparticles market size was valued at US\$ 617 million in 2025 and is forecast to a readjusted size of US\$ 1045 million by 2032 with a CAGR of 7.8% during review period.

Fluorescent nanoparticles are a class of solid functional materials with nanoscale dimensions that emit light of different wavelengths when excited by specific wavelengths of light (usually ultraviolet or visible light). The core demand stems from the urgent need for high-performance, multifunctional optical probes in modern biomedical research, the in vitro diagnostics (IVD) industry, and cutting-edge high-tech fields. The upstream supply chain mainly includes chemical companies providing basic raw materials (such as organic dyes, silanes, metal salt precursors, rare earth compounds, etc.) and specialized companies producing key luminescent materials (such as quantum dots and rare earth nanocrystals). Downstream applications include in vitro diagnostic equipment (such as immunochromatographic test strips and flow cytometers), biopharmaceuticals (drug delivery and imaging), in vivo imaging equipment, consumer electronics displays, and industrial environmental monitoring. In 2025, the production of fluorescent nanoparticles is estimated at approximately 6,000 kg, with an average selling price of approximately US\$100/gram, a gross profit margin of approximately 35%, and a single-line production capacity of approximately 150 kg/year.

This report is a detailed and comprehensive analysis for global Fluorescent Nanoparticles 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 Fluorescent Nanoparticles market size and forecasts, in consumption value (\$ Million), sales quantity (kg), and average selling prices (US\$/g), 2021-2032

Global Fluorescent Nanoparticles market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (kg), and average selling prices (US\$/g), 2021-2032

Global Fluorescent Nanoparticles market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (kg), and average selling prices (US\$/g), 2021-2032

Global Fluorescent Nanoparticles market shares of main players, shipments in revenue (\$ Million), sales quantity (kg), and ASP (US\$/g), 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 Fluorescent Nanoparticles
- 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 Fluorescent Nanoparticles 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 Thermo Fisher Scientific, Merck, Bio-Rad Antibodies, Nanocs, Ocean NanoTech, CD Bioparticles, Qiagen, Quantum Materials, Nanorh, Alfa Chemistry, etc.

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

Market Segmentation

Fluorescent Nanoparticles 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

Silica-based

Polymer-based

Lipid-based

Quantum Dots

protein-based

Market segment by Emission Characteristics

Downconversion

Upconversion

Multi-emissive

Market segment by Application

Biomedical

Consumer Electronic

Industrial

Other

Major players covered

Thermo Fisher Scientific

Merck

Bio-Rad Antibodies

Nanocs

Ocean NanoTech

CD Bioparticles

Qiagen

Quantum Materials

Nanorh

Alfa Chemistry

Dotz Nano

American Elements

SAT nano

Avantama

Nanosys

Nantronics

Dongguan Sat Nano Technology Material Co., Ltd.

Shanghai Biochemical Co., Ltd.

Zhengzhou Dongyao Nano Materials Co., Ltd.

Jiangsu Xfnano Materials Tech Co., Ltd.

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 Fluorescent Nanoparticles product scope, market overview, market estimation caveats and base year.

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

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

Chapter 4, the Fluorescent Nanoparticles 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 Fluorescent Nanoparticles 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 Fluorescent

Nanoparticles.

Chapter 14 and 15, to describe Fluorescent Nanoparticles sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Carboxyl Fluorescent Nanoparticles Consumption Value by Type: 2021 Versus 2025 Versus 2032

1.3.2 Carboxyl Polystyrene Fluorescent Nanoparticles

1.3.3 Carboxyl Fluorescent Silica Nanoparticles

1.3.4 Carboxyl Magnetic Fluorescent Nanoparticles

1.3.5 Carboxyl Polymer Fluorescent Nanoparticles

1.4 Market Analysis by Emission Characteristics

1.4.1 Overview: Global Carboxyl Fluorescent Nanoparticles Consumption Value by Emission Characteristics: 2021 Versus 2025 Versus 2032

1.4.2 Downconversion

1.4.3 Upconversion

1.4.4 Multi-emissive

1.5 Market Analysis by Application

1.5.1 Overview: Global Carboxyl Fluorescent Nanoparticles Consumption Value by Application: 2021 Versus 2025 Versus 2032

1.5.2 In vitro diagnostic

1.5.3 Bioimaging

1.5.4 Biosensing

1.5.5 Drug development

1.5.6 Other

1.6 Global Carboxyl Fluorescent Nanoparticles Market Size & Forecast

1.6.1 Global Carboxyl Fluorescent Nanoparticles Consumption Value (2021 & 2025 & 2032)

1.6.2 Global Carboxyl Fluorescent Nanoparticles Sales Quantity (2021-2032)

1.6.3 Global Carboxyl Fluorescent Nanoparticles Average Price (2021-2032)

2 MANUFACTURERS PROFILES

2.1 Thermo Fisher Scientific

2.1.1 Thermo Fisher Scientific Details

2.1.2 Thermo Fisher Scientific Major Business

2.1.3 Thermo Fisher Scientific Carboxyl Fluorescent Nanoparticles Product and

Services

2.1.4 Thermo Fisher Scientific Carboxyl Fluorescent Nanoparticles Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.1.5 Thermo Fisher Scientific Recent Developments/Updates

2.2 Merck

2.2.1 Merck Details

2.2.2 Merck Major Business

2.2.3 Merck Carboxyl Fluorescent Nanoparticles Product and Services

2.2.4 Merck Carboxyl Fluorescent Nanoparticles Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.2.5 Merck Recent Developments/Updates

2.3 Nanocs

2.3.1 Nanocs Details

2.3.2 Nanocs Major Business

2.3.3 Nanocs Carboxyl Fluorescent Nanoparticles Product and Services

2.3.4 Nanocs Carboxyl Fluorescent Nanoparticles Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.3.5 Nanocs Recent Developments/Updates

2.4 CD Bioparticles

2.4.1 CD Bioparticles Details

2.4.2 CD Bioparticles Major Business

2.4.3 CD Bioparticles Carboxyl Fluorescent Nanoparticles Product and Services

2.4.4 CD Bioparticles Carboxyl Fluorescent Nanoparticles Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.4.5 CD Bioparticles Recent Developments/Updates

2.5 Ocean NanoTech

2.5.1 Ocean NanoTech Details

2.5.2 Ocean NanoTech Major Business

2.5.3 Ocean NanoTech Carboxyl Fluorescent Nanoparticles Product and Services

2.5.4 Ocean NanoTech Carboxyl Fluorescent Nanoparticles Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.5.5 Ocean NanoTech Recent Developments/Updates

2.6 Micromod Partikeltechnologie GmbH

2.6.1 Micromod Partikeltechnologie GmbH Details

2.6.2 Micromod Partikeltechnologie GmbH Major Business

2.6.3 Micromod Partikeltechnologie GmbH Carboxyl Fluorescent Nanoparticles Product and Services

2.6.4 Micromod Partikeltechnologie GmbH Carboxyl Fluorescent Nanoparticles Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

- 2.6.5 Micromod Partikeltechnologie GmbH Recent Developments/Updates
- 2.7 NanoComposix
 - 2.7.1 NanoComposix Details
 - 2.7.2 NanoComposix Major Business
 - 2.7.3 NanoComposix Carboxyl Fluorescent Nanoparticles Product and Services
 - 2.7.4 NanoComposix Carboxyl Fluorescent Nanoparticles Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.7.5 NanoComposix Recent Developments/Updates
- 2.8 Posanova GmbH
 - 2.8.1 Posanova GmbH Details
 - 2.8.2 Posanova GmbH Major Business
 - 2.8.3 Posanova GmbH Carboxyl Fluorescent Nanoparticles Product and Services
 - 2.8.4 Posanova GmbH Carboxyl Fluorescent Nanoparticles Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.8.5 Posanova GmbH Recent Developments/Updates
- 2.9 Bangs Laboratories
 - 2.9.1 Bangs Laboratories Details
 - 2.9.2 Bangs Laboratories Major Business
 - 2.9.3 Bangs Laboratories Carboxyl Fluorescent Nanoparticles Product and Services
 - 2.9.4 Bangs Laboratories Carboxyl Fluorescent Nanoparticles Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.9.5 Bangs Laboratories Recent Developments/Updates
- 2.10 Nordic Biosite
 - 2.10.1 Nordic Biosite Details
 - 2.10.2 Nordic Biosite Major Business
 - 2.10.3 Nordic Biosite Carboxyl Fluorescent Nanoparticles Product and Services
 - 2.10.4 Nordic Biosite Carboxyl Fluorescent Nanoparticles Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.10.5 Nordic Biosite Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: CARBOXYL FLUORESCENT NANOPARTICLES BY MANUFACTURER

- 3.1 Global Carboxyl Fluorescent Nanoparticles Sales Quantity by Manufacturer (2021-2026)
- 3.2 Global Carboxyl Fluorescent Nanoparticles Revenue by Manufacturer (2021-2026)
- 3.3 Global Carboxyl Fluorescent Nanoparticles Average Price by Manufacturer (2021-2026)
- 3.4 Market Share Analysis (2025)

- 3.4.1 Producer Shipments of Carboxyl Fluorescent Nanoparticles by Manufacturer Revenue (\$MM) and Market Share (%): 2025
- 3.4.2 Top 3 Carboxyl Fluorescent Nanoparticles Manufacturer Market Share in 2025
- 3.4.3 Top 6 Carboxyl Fluorescent Nanoparticles Manufacturer Market Share in 2025
- 3.5 Carboxyl Fluorescent Nanoparticles Market: Overall Company Footprint Analysis
 - 3.5.1 Carboxyl Fluorescent Nanoparticles Market: Region Footprint
 - 3.5.2 Carboxyl Fluorescent Nanoparticles Market: Company Product Type Footprint
 - 3.5.3 Carboxyl Fluorescent Nanoparticles Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

- 4.1 Global Carboxyl Fluorescent Nanoparticles Market Size by Region
 - 4.1.1 Global Carboxyl Fluorescent Nanoparticles Sales Quantity by Region (2021-2032)
 - 4.1.2 Global Carboxyl Fluorescent Nanoparticles Consumption Value by Region (2021-2032)
 - 4.1.3 Global Carboxyl Fluorescent Nanoparticles Average Price by Region (2021-2032)
- 4.2 North America Carboxyl Fluorescent Nanoparticles Consumption Value (2021-2032)
- 4.3 Europe Carboxyl Fluorescent Nanoparticles Consumption Value (2021-2032)
- 4.4 Asia-Pacific Carboxyl Fluorescent Nanoparticles Consumption Value (2021-2032)
- 4.5 South America Carboxyl Fluorescent Nanoparticles Consumption Value (2021-2032)
- 4.6 Middle East & Africa Carboxyl Fluorescent Nanoparticles Consumption Value (2021-2032)

5 MARKET SEGMENT BY TYPE

- 5.1 Global Carboxyl Fluorescent Nanoparticles Sales Quantity by Type (2021-2032)
- 5.2 Global Carboxyl Fluorescent Nanoparticles Consumption Value by Type (2021-2032)
- 5.3 Global Carboxyl Fluorescent Nanoparticles Average Price by Type (2021-2032)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global Carboxyl Fluorescent Nanoparticles Sales Quantity by Application

(2021-2032)

6.2 Global Carboxyl Fluorescent Nanoparticles Consumption Value by Application

(2021-2032)

6.3 Global Carboxyl Fluorescent Nanoparticles Average Price by Application

(2021-2032)

7 NORTH AMERICA

7.1 North America Carboxyl Fluorescent Nanoparticles Sales Quantity by Type

(2021-2032)

7.2 North America Carboxyl Fluorescent Nanoparticles Sales Quantity by Application

(2021-2032)

7.3 North America Carboxyl Fluorescent Nanoparticles Market Size by Country

7.3.1 North America Carboxyl Fluorescent Nanoparticles Sales Quantity by Country

(2021-2032)

7.3.2 North America Carboxyl Fluorescent Nanoparticles Consumption Value by Country (2021-2032)

7.3.3 United States Market Size and Forecast (2021-2032)

7.3.4 Canada Market Size and Forecast (2021-2032)

7.3.5 Mexico Market Size and Forecast (2021-2032)

8 EUROPE

8.1 Europe Carboxyl Fluorescent Nanoparticles Sales Quantity by Type (2021-2032)

8.2 Europe Carboxyl Fluorescent Nanoparticles Sales Quantity by Application

(2021-2032)

8.3 Europe Carboxyl Fluorescent Nanoparticles Market Size by Country

8.3.1 Europe Carboxyl Fluorescent Nanoparticles Sales Quantity by Country

(2021-2032)

8.3.2 Europe Carboxyl Fluorescent Nanoparticles Consumption Value by Country (2021-2032)

8.3.3 Germany Market Size and Forecast (2021-2032)

8.3.4 France Market Size and Forecast (2021-2032)

8.3.5 United Kingdom Market Size and Forecast (2021-2032)

8.3.6 Russia Market Size and Forecast (2021-2032)

8.3.7 Italy Market Size and Forecast (2021-2032)

9 ASIA-PACIFIC

- 9.1 Asia-Pacific Carboxyl Fluorescent Nanoparticles Sales Quantity by Type (2021-2032)
- 9.2 Asia-Pacific Carboxyl Fluorescent Nanoparticles Sales Quantity by Application (2021-2032)
- 9.3 Asia-Pacific Carboxyl Fluorescent Nanoparticles Market Size by Region
 - 9.3.1 Asia-Pacific Carboxyl Fluorescent Nanoparticles Sales Quantity by Region (2021-2032)
 - 9.3.2 Asia-Pacific Carboxyl Fluorescent Nanoparticles Consumption Value by Region (2021-2032)
 - 9.3.3 China Market Size and Forecast (2021-2032)
 - 9.3.4 Japan Market Size and Forecast (2021-2032)
 - 9.3.5 South Korea Market Size and Forecast (2021-2032)
 - 9.3.6 India Market Size and Forecast (2021-2032)
 - 9.3.7 Southeast Asia Market Size and Forecast (2021-2032)
 - 9.3.8 Australia Market Size and Forecast (2021-2032)

10 SOUTH AMERICA

- 10.1 South America Carboxyl Fluorescent Nanoparticles Sales Quantity by Type (2021-2032)
- 10.2 South America Carboxyl Fluorescent Nanoparticles Sales Quantity by Application (2021-2032)
- 10.3 South America Carboxyl Fluorescent Nanoparticles Market Size by Country
 - 10.3.1 South America Carboxyl Fluorescent Nanoparticles Sales Quantity by Country (2021-2032)
 - 10.3.2 South America Carboxyl Fluorescent Nanoparticles Consumption Value by Country (2021-2032)
 - 10.3.3 Brazil Market Size and Forecast (2021-2032)
 - 10.3.4 Argentina Market Size and Forecast (2021-2032)

11 MIDDLE EAST & AFRICA

- 11.1 Middle East & Africa Carboxyl Fluorescent Nanoparticles Sales Quantity by Type (2021-2032)
- 11.2 Middle East & Africa Carboxyl Fluorescent Nanoparticles Sales Quantity by Application (2021-2032)
- 11.3 Middle East & Africa Carboxyl Fluorescent Nanoparticles Market Size by Country
 - 11.3.1 Middle East & Africa Carboxyl Fluorescent Nanoparticles Sales Quantity by Country (2021-2032)

11.3.2 Middle East & Africa Carboxyl Fluorescent Nanoparticles Consumption Value by Country (2021-2032)

11.3.3 Turkey Market Size and Forecast (2021-2032)

11.3.4 Egypt Market Size and Forecast (2021-2032)

11.3.5 Saudi Arabia Market Size and Forecast (2021-2032)

11.3.6 South Africa Market Size and Forecast (2021-2032)

12 MARKET DYNAMICS

12.1 Carboxyl Fluorescent Nanoparticles Market Drivers

12.2 Carboxyl Fluorescent Nanoparticles Market Restraints

12.3 Carboxyl Fluorescent Nanoparticles Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of Carboxyl Fluorescent Nanoparticles and Key Manufacturers

13.2 Manufacturing Costs Percentage of Carboxyl Fluorescent Nanoparticles

13.3 Carboxyl Fluorescent Nanoparticles Production Process

13.4 Industry Value Chain Analysis

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Carboxyl Fluorescent Nanoparticles Typical Distributors

14.3 Carboxyl Fluorescent Nanoparticles Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Fluorescent Nanoparticles Consumption Value by Type, (USD Million), 2021 & 2025 & 2032

Table 2. Global Fluorescent Nanoparticles Consumption Value by Emission Characteristics, (USD Million), 2021 & 2025 & 2032

Table 3. Global Fluorescent Nanoparticles Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Table 4. Thermo Fisher Scientific Basic Information, Manufacturing Base and Competitors

Table 5. Thermo Fisher Scientific Major Business

Table 6. Thermo Fisher Scientific Fluorescent Nanoparticles Product and Services

Table 7. Thermo Fisher Scientific Fluorescent Nanoparticles Sales Quantity (kg), Average Price (US\$/g), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 8. Thermo Fisher Scientific Recent Developments/Updates

Table 9. Merck Basic Information, Manufacturing Base and Competitors

Table 10. Merck Major Business

Table 11. Merck Fluorescent Nanoparticles Product and Services

Table 12. Merck Fluorescent Nanoparticles Sales Quantity (kg), Average Price (US\$/g), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 13. Merck Recent Developments/Updates

Table 14. Bio-Rad Antibodies Basic Information, Manufacturing Base and Competitors

Table 15. Bio-Rad Antibodies Major Business

Table 16. Bio-Rad Antibodies Fluorescent Nanoparticles Product and Services

Table 17. Bio-Rad Antibodies Fluorescent Nanoparticles Sales Quantity (kg), Average Price (US\$/g), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 18. Bio-Rad Antibodies Recent Developments/Updates

Table 19. Nanocs Basic Information, Manufacturing Base and Competitors

Table 20. Nanocs Major Business

Table 21. Nanocs Fluorescent Nanoparticles Product and Services

Table 22. Nanocs Fluorescent Nanoparticles Sales Quantity (kg), Average Price (US\$/g), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 23. Nanocs Recent Developments/Updates

Table 24. Ocean NanoTech Basic Information, Manufacturing Base and Competitors

Table 25. Ocean NanoTech Major Business

Table 26. Ocean NanoTech Fluorescent Nanoparticles Product and Services

Table 27. Ocean NanoTech Fluorescent Nanoparticles Sales Quantity (kg), Average Price (US\$/g), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 28. Ocean NanoTech Recent Developments/Updates

Table 29. CD Bioparticles Basic Information, Manufacturing Base and Competitors

Table 30. CD Bioparticles Major Business

Table 31. CD Bioparticles Fluorescent Nanoparticles Product and Services

Table 32. CD Bioparticles Fluorescent Nanoparticles Sales Quantity (kg), Average Price (US\$/g), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 33. CD Bioparticles Recent Developments/Updates

Table 34. Qiagen Basic Information, Manufacturing Base and Competitors

Table 35. Qiagen Major Business

Table 36. Qiagen Fluorescent Nanoparticles Product and Services

Table 37. Qiagen Fluorescent Nanoparticles Sales Quantity (kg), Average Price (US\$/g), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 38. Qiagen Recent Developments/Updates

Table 39. Quantum Materials Basic Information, Manufacturing Base and Competitors

Table 40. Quantum Materials Major Business

Table 41. Quantum Materials Fluorescent Nanoparticles Product and Services

Table 42. Quantum Materials Fluorescent Nanoparticles Sales Quantity (kg), Average Price (US\$/g), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 43. Quantum Materials Recent Developments/Updates

Table 44. Nanorh Basic Information, Manufacturing Base and Competitors

Table 45. Nanorh Major Business

Table 46. Nanorh Fluorescent Nanoparticles Product and Services

Table 47. Nanorh Fluorescent Nanoparticles Sales Quantity (kg), Average Price (US\$/g), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 48. Nanorh Recent Developments/Updates

Table 49. Alfa Chemistry Basic Information, Manufacturing Base and Competitors

Table 50. Alfa Chemistry Major Business

Table 51. Alfa Chemistry Fluorescent Nanoparticles Product and Services

Table 52. Alfa Chemistry Fluorescent Nanoparticles Sales Quantity (kg), Average Price (US\$/g), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 53. Alfa Chemistry Recent Developments/Updates

Table 54. Dotz Nano Basic Information, Manufacturing Base and Competitors

Table 55. Dotz Nano Major Business

Table 56. Dotz Nano Fluorescent Nanoparticles Product and Services

Table 57. Dotz Nano Fluorescent Nanoparticles Sales Quantity (kg), Average Price (US\$/g), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 58. Dotz Nano Recent Developments/Updates

- Table 59. American Elements Basic Information, Manufacturing Base and Competitors
- Table 60. American Elements Major Business
- Table 61. American Elements Fluorescent Nanoparticles Product and Services
- Table 62. American Elements Fluorescent Nanoparticles Sales Quantity (kg), Average Price (US\$/g), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 63. American Elements Recent Developments/Updates
- Table 64. SAT nano Basic Information, Manufacturing Base and Competitors
- Table 65. SAT nano Major Business
- Table 66. SAT nano Fluorescent Nanoparticles Product and Services
- Table 67. SAT nano Fluorescent Nanoparticles Sales Quantity (kg), Average Price (US\$/g), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 68. SAT nano Recent Developments/Updates
- Table 69. Avantama Basic Information, Manufacturing Base and Competitors
- Table 70. Avantama Major Business
- Table 71. Avantama Fluorescent Nanoparticles Product and Services
- Table 72. Avantama Fluorescent Nanoparticles Sales Quantity (kg), Average Price (US\$/g), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 73. Avantama Recent Developments/Updates
- Table 74. Nanosys Basic Information, Manufacturing Base and Competitors
- Table 75. Nanosys Major Business
- Table 76. Nanosys Fluorescent Nanoparticles Product and Services
- Table 77. Nanosys Fluorescent Nanoparticles Sales Quantity (kg), Average Price (US\$/g), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 78. Nanosys Recent Developments/Updates
- Table 79. Nantronics Basic Information, Manufacturing Base and Competitors
- Table 80. Nantronics Major Business
- Table 81. Nantronics Fluorescent Nanoparticles Product and Services
- Table 82. Nantronics Fluorescent Nanoparticles Sales Quantity (kg), Average Price (US\$/g), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 83. Nantronics Recent Developments/Updates
- Table 84. Dongguan Sat Nano Technology Material Co., Ltd. Basic Information, Manufacturing Base and Competitors
- Table 85. Dongguan Sat Nano Technology Material Co., Ltd. Major Business
- Table 86. Dongguan Sat Nano Technology Material Co., Ltd. Fluorescent Nanoparticles Product and Services
- Table 87. Dongguan Sat Nano Technology Material Co., Ltd. Fluorescent Nanoparticles Sales Quantity (kg), Average Price (US\$/g), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 88. Dongguan Sat Nano Technology Material Co., Ltd. Recent

Developments/Updates

Table 89. Shanghai Biochemical Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 90. Shanghai Biochemical Co., Ltd. Major Business

Table 91. Shanghai Biochemical Co., Ltd. Fluorescent Nanoparticles Product and Services

Table 92. Shanghai Biochemical Co., Ltd. Fluorescent Nanoparticles Sales Quantity (kg), Average Price (US\$/g), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 93. Shanghai Biochemical Co., Ltd. Recent Developments/Updates

Table 94. Zhengzhou Dongyao Nano Materials Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 95. Zhengzhou Dongyao Nano Materials Co., Ltd. Major Business

Table 96. Zhengzhou Dongyao Nano Materials Co., Ltd. Fluorescent Nanoparticles Product and Services

Table 97. Zhengzhou Dongyao Nano Materials Co., Ltd. Fluorescent Nanoparticles Sales Quantity (kg), Average Price (US\$/g), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 98. Zhengzhou Dongyao Nano Materials Co., Ltd. Recent Developments/Updates

Table 99. Jiangsu Xfnano Materials Tech Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 100. Jiangsu Xfnano Materials Tech Co., Ltd. Major Business

Table 101. Jiangsu Xfnano Materials Tech Co., Ltd. Fluorescent Nanoparticles Product and Services

Table 102. Jiangsu Xfnano Materials Tech Co., Ltd. Fluorescent Nanoparticles Sales Quantity (kg), Average Price (US\$/g), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 103. Jiangsu Xfnano Materials Tech Co., Ltd. Recent Developments/Updates

Table 104. Global Fluorescent Nanoparticles Sales Quantity by Manufacturer (2021-2026) & (kg)

Table 105. Global Fluorescent Nanoparticles Revenue by Manufacturer (2021-2026) & (USD Million)

Table 106. Global Fluorescent Nanoparticles Average Price by Manufacturer (2021-2026) & (US\$/g)

Table 107. Market Position of Manufacturers in Fluorescent Nanoparticles, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025

Table 108. Head Office and Fluorescent Nanoparticles Production Site of Key Manufacturer

Table 109. Fluorescent Nanoparticles Market: Company Product Type Footprint

Table 110. Fluorescent Nanoparticles Market: Company Product Application Footprint

Table 111. Fluorescent Nanoparticles New Market Entrants and Barriers to Market Entry

Table 112. Fluorescent Nanoparticles Mergers, Acquisition, Agreements, and Collaborations

Table 113. Global Fluorescent Nanoparticles Consumption Value by Region (2021-2025-2032) & (USD Million) & CAGR

Table 114. Global Fluorescent Nanoparticles Sales Quantity by Region (2021-2026) & (kg)

Table 115. Global Fluorescent Nanoparticles Sales Quantity by Region (2027-2032) & (kg)

Table 116. Global Fluorescent Nanoparticles Consumption Value by Region (2021-2026) & (USD Million)

Table 117. Global Fluorescent Nanoparticles Consumption Value by Region (2027-2032) & (USD Million)

Table 118. Global Fluorescent Nanoparticles Average Price by Region (2021-2026) & (US\$/g)

Table 119. Global Fluorescent Nanoparticles Average Price by Region (2027-2032) & (US\$/g)

Table 120. Global Fluorescent Nanoparticles Sales Quantity by Type (2021-2026) & (kg)

Table 121. Global Fluorescent Nanoparticles Sales Quantity by Type (2027-2032) & (kg)

Table 122. Global Fluorescent Nanoparticles Consumption Value by Type (2021-2026) & (USD Million)

Table 123. Global Fluorescent Nanoparticles Consumption Value by Type (2027-2032) & (USD Million)

Table 124. Global Fluorescent Nanoparticles Average Price by Type (2021-2026) & (US\$/g)

Table 125. Global Fluorescent Nanoparticles Average Price by Type (2027-2032) & (US\$/g)

Table 126. Global Fluorescent Nanoparticles Sales Quantity by Application (2021-2026) & (kg)

Table 127. Global Fluorescent Nanoparticles Sales Quantity by Application (2027-2032) & (kg)

Table 128. Global Fluorescent Nanoparticles Consumption Value by Application (2021-2026) & (USD Million)

Table 129. Global Fluorescent Nanoparticles Consumption Value by Application (2027-2032) & (USD Million)

Table 130. Global Fluorescent Nanoparticles Average Price by Application (2021-2026) & (US\$/g)

Table 131. Global Fluorescent Nanoparticles Average Price by Application (2027-2032) & (US\$/g)

Table 132. North America Fluorescent Nanoparticles Sales Quantity by Type (2021-2026) & (kg)

Table 133. North America Fluorescent Nanoparticles Sales Quantity by Type (2027-2032) & (kg)

Table 134. North America Fluorescent Nanoparticles Sales Quantity by Application (2021-2026) & (kg)

Table 135. North America Fluorescent Nanoparticles Sales Quantity by Application (2027-2032) & (kg)

Table 136. North America Fluorescent Nanoparticles Sales Quantity by Country (2021-2026) & (kg)

Table 137. North America Fluorescent Nanoparticles Sales Quantity by Country (2027-2032) & (kg)

Table 138. North America Fluorescent Nanoparticles Consumption Value by Country (2021-2026) & (USD Million)

Table 139. North America Fluorescent Nanoparticles Consumption Value by Country (2027-2032) & (USD Million)

Table 140. Europe Fluorescent Nanoparticles Sales Quantity by Type (2021-2026) & (kg)

Table 141. Europe Fluorescent Nanoparticles Sales Quantity by Type (2027-2032) & (kg)

Table 142. Europe Fluorescent Nanoparticles Sales Quantity by Application (2021-2026) & (kg)

Table 143. Europe Fluorescent Nanoparticles Sales Quantity by Application (2027-2032) & (kg)

Table 144. Europe Fluorescent Nanoparticles Sales Quantity by Country (2021-2026) & (kg)

Table 145. Europe Fluorescent Nanoparticles Sales Quantity by Country (2027-2032) & (kg)

Table 146. Europe Fluorescent Nanoparticles Consumption Value by Country (2021-2026) & (USD Million)

Table 147. Europe Fluorescent Nanoparticles Consumption Value by Country (2027-2032) & (USD Million)

Table 148. Asia-Pacific Fluorescent Nanoparticles Sales Quantity by Type (2021-2026) & (kg)

Table 149. Asia-Pacific Fluorescent Nanoparticles Sales Quantity by Type (2027-2032)

& (kg)

Table 150. Asia-Pacific Fluorescent Nanoparticles Sales Quantity by Application (2021-2026) & (kg)

Table 151. Asia-Pacific Fluorescent Nanoparticles Sales Quantity by Application (2027-2032) & (kg)

Table 152. Asia-Pacific Fluorescent Nanoparticles Sales Quantity by Region (2021-2026) & (kg)

Table 153. Asia-Pacific Fluorescent Nanoparticles Sales Quantity by Region (2027-2032) & (kg)

Table 154. Asia-Pacific Fluorescent Nanoparticles Consumption Value by Region (2021-2026) & (USD Million)

Table 155. Asia-Pacific Fluorescent Nanoparticles Consumption Value by Region (2027-2032) & (USD Million)

Table 156. South America Fluorescent Nanoparticles Sales Quantity by Type (2021-2026) & (kg)

Table 157. South America Fluorescent Nanoparticles Sales Quantity by Type (2027-2032) & (kg)

Table 158. South America Fluorescent Nanoparticles Sales Quantity by Application (2021-2026) & (kg)

Table 159. South America Fluorescent Nanoparticles Sales Quantity by Application (2027-2032) & (kg)

Table 160. South America Fluorescent Nanoparticles Sales Quantity by Country (2021-2026) & (kg)

Table 161. South America Fluorescent Nanoparticles Sales Quantity by Country (2027-2032) & (kg)

Table 162. South America Fluorescent Nanoparticles Consumption Value by Country (2021-2026) & (USD Million)

Table 163. South America Fluorescent Nanoparticles Consumption Value by Country (2027-2032) & (USD Million)

Table 164. Middle East & Africa Fluorescent Nanoparticles Sales Quantity by Type (2021-2026) & (kg)

Table 165. Middle East & Africa Fluorescent Nanoparticles Sales Quantity by Type (2027-2032) & (kg)

Table 166. Middle East & Africa Fluorescent Nanoparticles Sales Quantity by Application (2021-2026) & (kg)

Table 167. Middle East & Africa Fluorescent Nanoparticles Sales Quantity by Application (2027-2032) & (kg)

Table 168. Middle East & Africa Fluorescent Nanoparticles Sales Quantity by Country (2021-2026) & (kg)

Table 169. Middle East & Africa Fluorescent Nanoparticles Sales Quantity by Country (2027-2032) & (kg)

Table 170. Middle East & Africa Fluorescent Nanoparticles Consumption Value by Country (2021-2026) & (USD Million)

Table 171. Middle East & Africa Fluorescent Nanoparticles Consumption Value by Country (2027-2032) & (USD Million)

Table 172. Fluorescent Nanoparticles Raw Material

Table 173. Key Manufacturers of Fluorescent Nanoparticles Raw Materials

Table 174. Fluorescent Nanoparticles Typical Distributors

Table 175. Fluorescent Nanoparticles Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Fluorescent Nanoparticles Picture

Figure 2. Global Fluorescent Nanoparticles Revenue by Type, (USD Million), 2021 & 2025 & 2032

Figure 3. Global Fluorescent Nanoparticles Revenue Market Share by Type in 2025

Figure 4. Silica-based Examples

Figure 5. Polymer-based Examples

Figure 6. Lipid-based Examples

Figure 7. Quantum Dots Examples

Figure 8. protein-based Examples

Figure 9. Global Fluorescent Nanoparticles Revenue by Emission Characteristics, (USD Million), 2021 & 2025 & 2032

Figure 10. Global Fluorescent Nanoparticles Revenue Market Share by Emission Characteristics in 2025

Figure 11. Downconversion Examples

Figure 12. Upconversion Examples

Figure 13. Multi-emissive Examples

Figure 14. Global Fluorescent Nanoparticles Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 15. Global Fluorescent Nanoparticles Revenue Market Share by Application in 2025

Figure 16. Biomedical Examples

Figure 17. Consumer Electronic Examples

Figure 18. Industrial Examples

Figure 19. Other Examples

Figure 20. Global Fluorescent Nanoparticles Consumption Value, (USD Million): 2021 & 2025 & 2032

Figure 21. Global Fluorescent Nanoparticles Consumption Value and Forecast (2021-2032) & (USD Million)

Figure 22. Global Fluorescent Nanoparticles Sales Quantity (2021-2032) & (kg)

Figure 23. Global Fluorescent Nanoparticles Price (2021-2032) & (US\$/g)

Figure 24. Global Fluorescent Nanoparticles Sales Quantity Market Share by Manufacturer in 2025

Figure 25. Global Fluorescent Nanoparticles Revenue Market Share by Manufacturer in 2025

Figure 26. Producer Shipments of Fluorescent Nanoparticles by Manufacturer Sales

(\$MM) and Market Share (%): 2025

Figure 27. Top 3 Fluorescent Nanoparticles Manufacturer (Revenue) Market Share in 2025

Figure 28. Top 6 Fluorescent Nanoparticles Manufacturer (Revenue) Market Share in 2025

Figure 29. Global Fluorescent Nanoparticles Sales Quantity Market Share by Region (2021-2032)

Figure 30. Global Fluorescent Nanoparticles Consumption Value Market Share by Region (2021-2032)

Figure 31. North America Fluorescent Nanoparticles Consumption Value (2021-2032) & (USD Million)

Figure 32. Europe Fluorescent Nanoparticles Consumption Value (2021-2032) & (USD Million)

Figure 33. Asia-Pacific Fluorescent Nanoparticles Consumption Value (2021-2032) & (USD Million)

Figure 34. South America Fluorescent Nanoparticles Consumption Value (2021-2032) & (USD Million)

Figure 35. Middle East & Africa Fluorescent Nanoparticles Consumption Value (2021-2032) & (USD Million)

Figure 36. Global Fluorescent Nanoparticles Sales Quantity Market Share by Type (2021-2032)

Figure 37. Global Fluorescent Nanoparticles Consumption Value Market Share by Type (2021-2032)

Figure 38. Global Fluorescent Nanoparticles Average Price by Type (2021-2032) & (US\$/g)

Figure 39. Global Fluorescent Nanoparticles Sales Quantity Market Share by Application (2021-2032)

Figure 40. Global Fluorescent Nanoparticles Revenue Market Share by Application (2021-2032)

Figure 41. Global Fluorescent Nanoparticles Average Price by Application (2021-2032) & (US\$/g)

Figure 42. North America Fluorescent Nanoparticles Sales Quantity Market Share by Type (2021-2032)

Figure 43. North America Fluorescent Nanoparticles Sales Quantity Market Share by Application (2021-2032)

Figure 44. North America Fluorescent Nanoparticles Sales Quantity Market Share by Country (2021-2032)

Figure 45. North America Fluorescent Nanoparticles Consumption Value Market Share by Country (2021-2032)

- Figure 46. United States Fluorescent Nanoparticles Consumption Value (2021-2032) & (USD Million)
- Figure 47. Canada Fluorescent Nanoparticles Consumption Value (2021-2032) & (USD Million)
- Figure 48. Mexico Fluorescent Nanoparticles Consumption Value (2021-2032) & (USD Million)
- Figure 49. Europe Fluorescent Nanoparticles Sales Quantity Market Share by Type (2021-2032)
- Figure 50. Europe Fluorescent Nanoparticles Sales Quantity Market Share by Application (2021-2032)
- Figure 51. Europe Fluorescent Nanoparticles Sales Quantity Market Share by Country (2021-2032)
- Figure 52. Europe Fluorescent Nanoparticles Consumption Value Market Share by Country (2021-2032)
- Figure 53. Germany Fluorescent Nanoparticles Consumption Value (2021-2032) & (USD Million)
- Figure 54. France Fluorescent Nanoparticles Consumption Value (2021-2032) & (USD Million)
- Figure 55. United Kingdom Fluorescent Nanoparticles Consumption Value (2021-2032) & (USD Million)
- Figure 56. Russia Fluorescent Nanoparticles Consumption Value (2021-2032) & (USD Million)
- Figure 57. Italy Fluorescent Nanoparticles Consumption Value (2021-2032) & (USD Million)
- Figure 58. Asia-Pacific Fluorescent Nanoparticles Sales Quantity Market Share by Type (2021-2032)
- Figure 59. Asia-Pacific Fluorescent Nanoparticles Sales Quantity Market Share by Application (2021-2032)
- Figure 60. Asia-Pacific Fluorescent Nanoparticles Sales Quantity Market Share by Region (2021-2032)
- Figure 61. Asia-Pacific Fluorescent Nanoparticles Consumption Value Market Share by Region (2021-2032)
- Figure 62. China Fluorescent Nanoparticles Consumption Value (2021-2032) & (USD Million)
- Figure 63. Japan Fluorescent Nanoparticles Consumption Value (2021-2032) & (USD Million)
- Figure 64. South Korea Fluorescent Nanoparticles Consumption Value (2021-2032) & (USD Million)
- Figure 65. India Fluorescent Nanoparticles Consumption Value (2021-2032) & (USD Million)

Million)

Figure 66. Southeast Asia Fluorescent Nanoparticles Consumption Value (2021-2032) & (USD Million)

Figure 67. Australia Fluorescent Nanoparticles Consumption Value (2021-2032) & (USD Million)

Figure 68. South America Fluorescent Nanoparticles Sales Quantity Market Share by Type (2021-2032)

Figure 69. South America Fluorescent Nanoparticles Sales Quantity Market Share by Application (2021-2032)

Figure 70. South America Fluorescent Nanoparticles Sales Quantity Market Share by Country (2021-2032)

Figure 71. South America Fluorescent Nanoparticles Consumption Value Market Share by Country (2021-2032)

Figure 72. Brazil Fluorescent Nanoparticles Consumption Value (2021-2032) & (USD Million)

Figure 73. Argentina Fluorescent Nanoparticles Consumption Value (2021-2032) & (USD Million)

Figure 74. Middle East & Africa Fluorescent Nanoparticles Sales Quantity Market Share by Type (2021-2032)

Figure 75. Middle East & Africa Fluorescent Nanoparticles Sales Quantity Market Share by Application (2021-2032)

Figure 76. Middle East & Africa Fluorescent Nanoparticles Sales Quantity Market Share by Country (2021-2032)

Figure 77. Middle East & Africa Fluorescent Nanoparticles Consumption Value Market Share by Country (2021-2032)

Figure 78. Turkey Fluorescent Nanoparticles Consumption Value (2021-2032) & (USD Million)

Figure 79. Egypt Fluorescent Nanoparticles Consumption Value (2021-2032) & (USD Million)

Figure 80. Saudi Arabia Fluorescent Nanoparticles Consumption Value (2021-2032) & (USD Million)

Figure 81. South Africa Fluorescent Nanoparticles Consumption Value (2021-2032) & (USD Million)

Figure 82. Fluorescent Nanoparticles Market Drivers

Figure 83. Fluorescent Nanoparticles Market Restraints

Figure 84. Fluorescent Nanoparticles Market Trends

Figure 85. Porters Five Forces Analysis

Figure 86. Manufacturing Cost Structure Analysis of Fluorescent Nanoparticles in 2025

Figure 87. Manufacturing Process Analysis of Fluorescent Nanoparticles

- Figure 88. Fluorescent Nanoparticles Industrial Chain
- Figure 89. Sales Channel: Direct to End-User vs Distributors
- Figure 90. Direct Channel Pros & Cons
- Figure 91. Indirect Channel Pros & Cons
- Figure 92. Methodology
- Figure 93. Research Process and Data Source

I would like to order

Product name: Global Fluorescent Nanoparticles Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

Product link: <https://marketpublishers.com/r/GDE52CD5A2DAEN.html>

Price: US\$ 3,480.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GDE52CD5A2DAEN.html>