

Nanomedicine Market Forecasted to Achieve US \$676.38 Billion by 2029

*The Business Research Company's
Nanomedicine Global Market Report
2025 – Market Size, Trends, And Forecast
2025-2034*

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/EINPresswire.com/ -- How Big Is The
[Nanomedicine Market](#) In 2025?

There has been a substantial escalation in the size of the nanomedicine market in the last few years. It is projected to rise from \$331.61 billion in 2024 to \$375.87 billion in 2025 with a compound annual growth rate (CAGR) of 13.3%. The growth observed in the historic period is due to factors such as enhanced comprehension of molecular biology, an increase in chronic disease prevalence, the need for specific drug delivery systems, the expansion of nanoparticle imaging technologies, and the growth of the elderly population.



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Expectations are high for the nanomedicine market to experience significant growth in the coming years. The projections show the market expanding to \$676.38 billion by 2029, with a compound annual growth rate (CAGR) of 15.8%. The rapid growth in the forecast period can be linked to the steady advances in nanotechnology research, escalating investments in nanomedicine research and development, enhanced focus on personalized medicine,

growing applications of nanomedicine in treating cancer, and integration of nanomedicine into infectious disease therapy. Key trends for the foreseeable period include the production of multifunctional nanoparticles for therapeutics and imaging, a focus on nanoparticle-based diagnostics and imaging agents, use of nanomedicine in regenerative medicine, increasing employment of nanomedicine in targeted therapy for neurological disorders, and collaborations and partnerships in the sphere of nanomedicine research and market introduction.

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What Are The Key Driving Factors For The Growth Of The Nanomedicine Market?

It is expected that the escalating global burden of complex and chronic diseases will fuel the expansion of the nanomedicine market during the projected time frame. Nanomedicine's role in treating enduring illnesses like cardiovascular ailments, diabetes, cancer, dementia, and others is expanding, as it aids in the rapid metabolism of medicines within the body. As per Alzheimer's Disease International, a federation of global Alzheimer's associations, more than 50 million people worldwide are afflicted by dementia. The predictions suggest that this number will double every 20 years, reaching 80 million by 2030 and surging to 152 million by 2050. Meanwhile, the global cancer burden is projected to escalate to 28.4 million new cases by 2040. Hence, the burgeoning load of chronic diseases is likely to spur the need for efficacious therapeutic treatments using nanomedicine, subsequently propelling the nanomedicine market's growth.

Who Are The Key Players In The Nanomedicine Industry?

Major players in the Nanomedicine include:

- Pfizer Inc.
- Ablynx NV
- Amgen Inc.
- Arrowhead Research Inc.
- Bio-Gate AG
- Celgene Corporation
- F. Hoffmann-La Roche AG
- GE Healthcare
- Gilead Sciences Inc.
- Merck AG

What Are The Upcoming Trends Of Nanomedicine Market In The Globe?

Leading firms in the nanomedicine market are concentrating on the creation of innovative products like dynapro zetastar to boost their market revenues. This ground-breaking device facilitates concurrent readings of dynamic and static light scattering, as well as dynamic and electrophoretic light scattering (DLS/SLS/ELS). For example, in September 2023, Waters Corporation, a US corporation known for producing analytical laboratory devices and equipment, introduced dynapro zetastar for analyzing nanoparticles. With its ability to merge multiple light scattering methodologies, conduct adaptive data capture, automatically evaluate data quality, and boost measurement speed and sensitivity while using extremely small sample volumes, the zetastar instrument aids in the accurate creation of complex biologics. Furthermore, the distinctive flow cell design of the zetastar instrument allows it to be linked to an autosampler, thereby considerably elevating lab efficiency and output as it facilitates numerous unattended measurements that could be undertaken over several hours or even the entire night.

What Segments Are Covered In The Nanomedicine Market Report?

The nanomedicine market covered in this report is segmented –

- 1) By Type: Nanoparticles, Nanoshells, Nanotubes, Nanodevices, Other Types
- 2) By Modality: Diagnostics, Treatments
- 3) By Application: Clinical Oncology, Infectious Diseases, Clinical Cardiology, Orthopedics, Other Applications

Subsegments:

- 1) By Nanoparticles: Lipid-Based Nanoparticles, Polymeric Nanoparticles, Metallic Nanoparticles, Ceramic Nanoparticles
- 2) By Nanoshells: Gold Nanoshells, Silver Nanoshells, Silica Nanoshells
- 3) By Nanotubes: Carbon Nanotubes (CNTs), Polymer Nanotubes
- 4) By Nanodevices: Nanosensors, Nanorobots, Nanoscale Imaging Devices
- 5) By Other Types: Dendrimers, Quantum Dots, Nanocarriers

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Which Region Is Expected To Lead The Nanomedicine Market By 2025?

In 2024, North America held the top spot in the nanomedicine market. It is projected that the most rapid growth in this market will take place in the Asia-Pacific region during the forecast period. The report analyzing the nanomedicine market encompasses the following areas: Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, and Africa.

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Speak With Our Expert:

Saumya Sahay

Americas +1 310-496-7795

Asia +44 7882 955267 & +91 8897263534

Europe +44 7882 955267

Email: saumyas@tbrc.info

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Oliver Guirdham

The Business Research Company

+44 7882 955267

info@tbrc.info

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